

THE AMERICAN School Board Journal

August

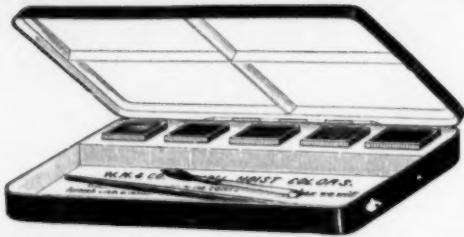


August,
1905
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WM. GEO. BRUCE
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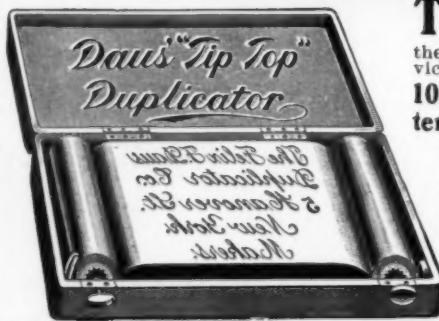
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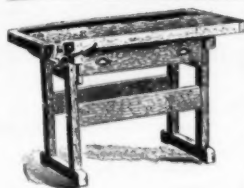
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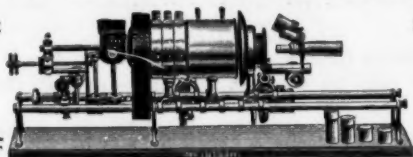
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F. T. Tilton & Co., New York

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McIntosh Stereopticon Co., Chicago

BADGES.

Bunde & Upmeyer Co., Milwaukee,
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Mcneely & Co.,
Watervliet, West Troy, N. Y.
St. Louis Bell Foundry, St. Louis, Mo.

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McConnell Sch. Supply Co., Phila.
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A. H. Andrews Co., Chicago
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Grand Rapids Sch. Furn. Co.,
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Am. Sch. Furniture Co., N. Y., Chicago
Grand Rapids Sch. Furn. Co.,
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Excelsior Slate Co., Pen Argyl, Pa.
Penna. Structural Slate Co.,
Easton, Pa.

(Dealers.)

Cleveland School Furn. Works
Cleveland, New York
Grand Rapids Sch. Furn. Co.,
N. Y., Chicago
Thos. Kane & Co., Works,
N. Y., Chicago
Am. School Furn. Co., N. Y., Chicago
The Caxton Co.,
E. W. A. Rowles,
Columbia School Supply Co.,
Indianapolis, Ind.
McConnell School Supply Co., Phila.
L. A. Murray & Co., Kilbourn, Wis.
N. Y. Silicate Book Slate Co., N. Y.
Union Sch. Furn. Co., Chicago
Peckham, Little & Co., New York
Haney School Fur. Co.,
Grand Rapids, Mich.

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(See School Blanks.)

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L. A. Murray & Co., Kilbourn, Wis.
A. H. Andrews Co., Chicago
Am. Sch. Furn. Co., N. Y., Chicago
Grand Rapids Sch. Furn. Co.,
N. Y., Chicago
Thos. Kane & Co., Works,
N. Y., Chicago
Union Sch. Furn. Co., Chicago

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Milton-Bradley Co., Springfield, Mass.
A. H. Andrews Co., Chicago
Union Sch. Furn. Co., Chicago
R. H. Galpen, New York
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Grand Rapids Sch. Furn. Co.,
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F. T. Tilton & Co., New York

(Manufacturers.)

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Philadelphia

(Anatomical.)

McConnell School Supply Co., Phila.

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Wis.

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Union Sch. Furn. Co., Chicago
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Phillips School Supply House,
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New York, Chicago
Grand Rapids School Furn. Co.,
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Haney School Fur. Co.,
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M. H. E. Beckley, Chicago
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McConnell School Supply Co.....Phila.
M. H. E. Beckley.....Chicago
Moore Mfg. Co.....Springfield, Mo.
L. A. Murray.....Kilbourn, Wis.
F. T. Tilton & Co.....New York

RELIEF MAPS.

E. W. A. Rowles.....Chicago

ROOFING SLATE.

E. J. Johnson & Co.....New York

RUBBER BANDS.

Eberhard FaberNew York

SANITARY APPLIANCES.

N. O. Nelson Mfg. Co., St. Louis, Mo.
Merritt & Co.....Philadelphia, Pa.
Lewis & Kitchen.....Chicago, Kansas City

SANITARY ENGINEERS.

Lewis & Kitchen.....Chicago, Kansas City

SCHOOL BLANKS.

Jos. H. Tisdall.....Philadelphia, Pa.
The Caxton Co.....Chicago
E. W. A. Rowles.....Chicago
McConnell School Supply Co.....Phila.
L. A. Murray & Co.....Kilbourn, Wis.
Am. School Furn. Co., N. Y., Chicago
Peckham, Little & Co.....New York
Union Sch. Furn. Co.....Chicago
F. T. Tilton & Co.....New York

SCHOOL FURNITURE.

Jos. H. Tisdall.....Philadelphia, Pa.
Chandler Desk & Seat Co.....Boston
The Caxton Co.....Chicago
The A. H. Andrews Co.....Chicago
McConnell School Supply Co.....Phila.
Haney Sch. F. Co. Grand Rapids, Mich.
L. A. Murray & Co.....Kilbourn, Wis.
Thos. Kane & Co.....Racine, Wis.
Moore Mfg. Co.....Springfield, Mo.
Piqua School Furn. Co., Piqua, O.
Milton-Bradley Co., Springfield, Mass.
M. H. E. Beckley.....Chicago
Moore Mfg. Co.....Springfield, Mo.
A. H. Andrews Co.....Chicago
Andrews Sch. Furnishing Co., N. Y.
Am. Sch. Furn. Co., N. Y., Chicago
Grand Rapids Sch. Furn. Co.
.....N. Y., Chicago
Thos. Kane & Co., Works.....Chicago
F. T. Tilton & Co.....New York

SCHOOLROOM DECORATION.

C. Hennecke Co.....Milwaukee

SCHOOL LIBRARIES.

Union Sch. Furn. Co.....Chicago
McConnell School Supply Co.....Phila.

SCHOOL SUPPLIES.

Jos. H. Tisdall.....Philadelphia, Pa.
Prang Educational Co.....Chicago
.....New York, Chicago, Boston
Chandler Adj. Chair & Desk
Works
Chandler & Barber.....
Am. Sch. Furn. Co. Chicago, New York
Grand Rapids Sch. Furn. Co.
.....Chicago, New York
Thos. Kane & Co. Works.....
.....Chicago, New York
N. Y. Silicate Slate Co.....
Peckham, Little & Co.....Phila.
McConnell School Supply Co.....Phila.
Columbia School Supply Co.....Indianapolis, Ind.

The Caxton Co.....Chicago
E. W. A. Rowles.....Racine, Wis.
Thos. Kane & Co.....Kilbourn, Wis.
L. A. Murray & Co.....Grand Rapids, Mich.
Haney Sch. F. Co. Grand Rapids, Mich.
Phillips School Supply House.....Williamsport, Pa.
Thomas Charles & Co.....Chicago
A. H. Andrews Co.....Chicago
Haney School Fur. Co.,Grand Rapids, Mich.
M. H. E. Beckley.....Chicago
Moore Mfg. Co.....Springfield, Mo.
U. S. Crayon Co., Girard, O.
O. D. Case & Co., Guilford, Conn.
R. H. Galpen.....New York
Andrews Sch. Furnishing Co., N. Y.
Union Sch. Furn. Co.....Chicago
F. T. Tilton & Co.....New York

SEWAGE DISPOSAL.

N. O. Nelson Mfg. Co., St. Louis, Mo.
Merritt & Co.....Philadelphia, Pa.

SLATE PENCILS.

(Manufacturers.)
D. M. Steward Mfg Co.....
.....Chattanooga, Tenn.

STATIONERY.

Jos. H. Tisdall.....Philadelphia, Pa.
E. W. A. Rowles.....Chicago
Bunde & Upmeyer, 71-75 Wis. St.
.....Milwaukee
Favor, Ruhl & Co.....New York
L. A. Murray.....Kilbourn, Wis.
F. T. Tilton & Co.....New York

STATUARY.

C. Hennecke Co.....Milwaukee

TEACHERS' AGENCIES.

National Educational Bureau.....
Harrisburg, Pa.
Schermerhorn Teachers' Agency.....New York
Pratt Teachers' Agency.....
Syracuse Teachers' Agency.....Syracuse
Albany Teachers' Agency.....Albany
Normal Teachers' Agency.....
Rome Teachers' Agency.....Rome, N. Y.
Teachers' Exchange.....Boston
Fisher's Teachers' Agency.....
Albert Teachers' Agency.....Chicago
Clark Teachers' Agency.....
McCullough Teachers' Agency.....
Flak Teachers' Agency.....Boston
Hazard Teachers' Agency.....
Minneapolis, Minn. & Spokane, Wash.
Sheridan Teachers' Agency.....
.....Greenwood, S. C.
Warrensburg Teachers' Agency.....
.....Warrensburg, Mo.

TELEPHONES.

Electric Gas Lighting Co.....
Boston, Chicago, San Francisco

TYPEWRITERS.

Smith-Premier Typewriter Co.....
Syracuse, N. Y.
Williams Typewriter Co. Derby, Conn.

WALL DEAFENING.

Samuel CabotBoston

WATER COLORS.

Devoe & Reynolds Co.....
.....New York, Chicago
Prang Educational Co.....
.....New York, Chicago
Milton Bradley Co.....
Springfield, Mass.
Thos. Charles Co.....Chicago
Favor, Ruhl & Co.....New York
Binney & Smith.....New York

WINDOW SHADES.

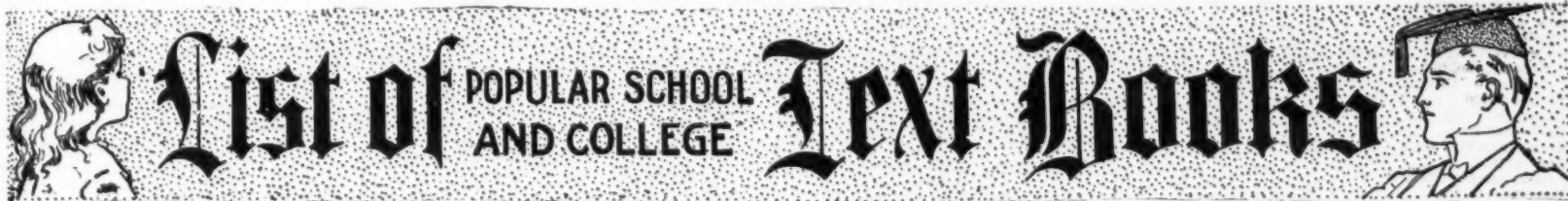
E. W. A. Rowles.....Chicago
L. A. Murray.....Kilbourn, Wis.
Union Sch. Furn. Co.....Chicago

WINDOW SHADE FIXTURES.

(Adjustable.)
R. R. Johnson.....Chicago

WARDROBES.

J. G. Wilson Mfg. Co.....New York
Badger Wire & Iron Works.....Milwaukee



ABBREVIATIONS.

Barnes	A. J. Barnes Publishing Co.....St. Louis, Mo.
Educational	Educational Publishing Co.....New York, Chicago.
Ginn	Ginn & Co.....Boston, New York, Chicago.
Heath	D. C. Heath & Co.....Boston, New York, Chicago.
Houghton	Houghton, Mifflin & Co.....Boston, New York, Chicago.
Jenkins	Wm. B. Jenkins.....New York City.
Longmans	Longmans, Green & Co.....New York.
Maynard	Maynard, Merrill & Co.....New York, Chicago.
Merriam	G. & C. Merriam Co.....Springfield, Mass.
Macmillan	The Macmillan Co.....New York, Chicago.
McNally	Rand, McNally & Co.....Chicago, New York.
Meyers	Myers, Fishel & Co.....Harrisburg, Pa.
Peckham	Peckham, Little & Co.....New York.
Pitman	Isaac Pitman & Sons.....New York.
Prang	Prang Educational Co.....Boston, New York, Chicago.
Sadler	Sadler-Rowe Co.....Baltimore.
Sanborn	Benj. H. Sanborn & Co.....Boston, New York, Chicago.
Silver	Silver, Burdett & Co.....Boston, New York, Chicago.
Sower	Christopher Sower Co.....Philadelphia.
Thompson	Thompson, Brown & Co.....Boston, Chicago.
University	University Publishing Co.....New York, New Orleans.

ALGEBRA.

Wentworth Series.....Ginn
Beman & Smith.....Ginn
Wells' Series.....Heath
Bowser's Series.....
McCurdy's Exercise
Book
Hall & Knights.....Macmillan
Thompson's New.....Maynard
Stone's Essentials.....Sanborn
Greenleaf's Elementary.....
Algebra Tablets.....
First Book.....Silver
Aley & Rothrock.....
Atwood Series.....
Lilly's Series.....
Brooks'.....Sower
Beginners'.....Thompson
Bradbury Series.....
Fairbanks & Hedden.....
Sanford's Ele.....University
Nicholson's Ele.....
Venable Series.....

ARITHMETIC.

Wentworth Series.....Ginn
Speer's.....
Beman & Smith.....
Price's.....
Smith's.....
Walsh's Series.....Heath
Eaton's.....
Atwood's Series.....
Sutton & Kimbrough's.....
White's Series.....
Colburn's.....Houghton
McLellan & Ames' Series.....
Thompson's 1st Les.....Maynard
Thompson's Complete.....
Rand, McNally's Prim.....
ary.....McNally

Rand, McNally's Prac-
tical
Hewitt's Manual for
Teachers
Commercial Arithmetic,
College Ed.....Sadler
Commercial Arithmetic,
School Ed.....
Southworth-Stone Three
Book Series.....Sanborn
Greenleaf's.....
Arithmetical Problems.....
High School Arithmetic
Normal Course.....Silver
Van Amburg's First
Days
Sensinzig & Anderson
Series
Pierce's Series.....
New Complete
Brooks' Series.....Sower
Brooks' Mental.....
Nichol's Graded Les.....Thompson
Cogswell, Lessons.....
Bradbury's Eaton's.....
Nicholson's Series.....University
Sanford's Series.....
Venable's Series.....

ART.

Riverside Series.....Houghton
The Principles of Art
Education.....Prang
Abbott-Gaskell's Outlines
.....Silver

ASTRONOMY.

Young's.....Ginn
Hall's Elements.....Macmillan
Howe's Elements.....Silver
Peck's Constellations.....

BIOLOGY.

Boyer's.....Heath
Parker's.....Macmillan
Inductive Lessons.....Sanborn

BOOKKEEPING.

Gay's.....Ginn
Moore & Miner's.....
Shaw's Ele.....Heath
Seary's Practical.....
Montgomery's Mod.....Merrill
Rowe's Comm. Indus-
trialSadler
Hall's Art of Accounts.....Silver
Mayhew's Series.....
Lyte's Book.....Sower
Meservy's.....Thompson
American Accountant
.....University

BOTANY.

Atlas Tablets.....
F. T. Tilton & Co., New York
Bergen's.....Ginn
Spalding's.....Heath
Stevens'.....
Bailey's.....Macmillan
Bailey's Lessons.....
Harshberger's Herbarium
.....Sower

CHEMISTRY.

William's.....Ginn
McGregory's.....
Shepard's.....Heath
Inorganic.....
Note Book.....
Remsen's Organic.....
Newell's Descriptive.....

Newell's Experimental.....
Garvin's Qualitative.....
Roscoe & Lunt's.....Macmillan
Richardson's.....
Noyes' Qualitative.....
Talbot's Quantitative.....
Avery's.....
Peter's.....Maynard
Ekeley's Elementary Ex-
perimental.....Silver
Sprague's Shakespeare.....
Appleton's Series.....
Hessler's Essentials.....Sanborn
and Literature.....Houghton
Webster's Ele. Comp.....
Bates' Talks on Writ-
ing English.....
White's Everyday Eng-
lish.....
White's Words and
Their Uses.....
Kellogg's Book on.....Maynard
Carpenter's H. Sch: First
and Second H. School
Course.....Macmillan
Carpenter's Advance.....
Lewis' Writing Eng.....
Lewis' Manuals (2).....
Composition and Rhet-
oric.....McNally
Earnest's Eng. Corre-
spondence.....Sadler
A Modern, (Brief and
Complete Course).....Sanborn
Welsh's Composition.....Silver
Copeland & Rideout's
Freshman English.....

CIVICS.

Boynton's.....Ginn
Seelye's.....Ginn
Dole's Am. Citizen.....Heath
"The Young Cit.....
Wilson's The State.....
Judson's Young Am.....Maynard
Martin's Hints.....Silver
Lansing and Jones.....
Hoxie-How the People
Rule.....

CIVIL GOVERNMENT.

Macy's.....Ginn
Davis'.....
Flickinger's.....Heath
John Fliske's.....Houghton
Strong and Schafer's.....
Young's.....Maynard
Mowry's Elements.....Silver
Mowry's Studies.....
Shepard's.....Sower
Finger's Lowry's.....University

BUSINESS LAW.

White's Business Law.....Silver
Clow's Commerce.....
Richardson's Commercial
Law.....Sadler

COMMERCIAL HIS- TORY.

Marchant's Com'l Hist.....
Webster's History of Com-
merce.....Ginn

COMPOSITION AND RHETORIC.

Everyday English.....Educational
Genung's Series.....Ginn
Lockwood & Emerson's.....
Mother Tongue, Bk. III.....
William's Practical.....Heath
Strang's Ex. in Eng.....
Pearson's Comp.....
Spalding's Ele. Comp.....
Lewis' Intro. Rhetoric.....
Webster's English: Comp.

COPY BOOKS.

(See Penmanship.)

DICTIONARIES.

Liddell & Scott's Greek.....Ginn
Heath's French.....Heath
"German.....
Worcester.....Lippincott
Webster's International
.....Merriam
"Collegiate.....
Collegiate (Special Thin
Paper Edition).....
Brown & Haldeman
.....University
Clarendon.....

DRAWING.

Augsburg's.....Educational
National Course.....Ginn
Thompson's Aesthetic Ser.....
"Mechanical Ser.....Heath
Thompson's N. Short
Course.....Heath
Anthony's Mechanical.....
"Machine.....
"Essentials of.....
"Gearing.....
Daniels' Lettering.....
Hall's Prac. Draw.....Maynard
Text-Books of Art Educa-
tion (1 to 8).....Prang
Elementary Course in Art
Instruction.....Prang
Primary 1st Year (Manual)
Primary 2d Year (Manual)
Drawing Books (1-12) or (1-4)
Manuals for Books (6)
Course for Graded Schools
.....Prang

ELOCUTION.

Fulton's.....Ginn
Hyde's School Speaker.....
Smith's Reading and
Speaking.....Heath
Russell's Vocal Culture.....
.....Houghton
Brown's Philosophy of
Expression.....

ECONOMICS.

Gilde's Principles.....Heath
Ely's Outlines.....Macmillan
Ely's Elementary.....
Andrews' Institutes.....Silver
Bullock's Introduction.....

ENGLISH LITERA- TURE.

Athenaeum Press Series.....Ginn
Standard Eng. Classics
Series.....
Gayley's.....
Hudson's Shakespeare.....
Minto's.....
Lewis' Beginnings.....
Heath's Classics.....Heath
Melkielejohn's Hist. of.....
Corson's Browning.....
"Shakespeare.....
Arden Shakespeare.....
Hawthorne & Lemmon's
Am. Lit.....
Heart of Oak Books.....
Brounson's American.....
Richardson's Amer.....Houghton
Rolf's Student's Series.....
Masterpieces Brit. Lit.....
Riverside Series.....
Masterpieces Am. Lit.....
Modern Classics.....
American Poems.....
College Requirements.....

School Board Journal

Riverside School Library
American Prose
Simond's History Eng.
Lit.
Higginson and Boynton's Hist. Am. Lit.
Bates' Talks on Study of Lit.
Perry's Study of Prose Fiction
Brooke'sMacmillan
Bates' Am. Lit.
Carpenter's Am. Prose.
George's Chaucer to Arnold
Brooke-Carpenter
Abernethy's American.
Maynard's Series
Kellogg on
Canterbury Classics. McNally
Cambridge Series.
Silver Series of Classics

Pattee's American Literature
Pattee's Reading Courses
Pattee's Foundations.
Westlake'sSower
Golden Rod Books.
Standard Lit. Series.
Johnston & Brown's.

FRENCH.

Int. Modern Language.Ginn
Aldrich & Foster's Foundations
Dufour's Grammar
Edgren's Grammar.Heath
Snow & Lebon's Easy Reader
Grandgent's Gram.
Grandgent's Comp.
Super's Reader
Heath's Series
Heath's Dictionaries.
Fraser & Squair's Gram.
Fontaine's Litro.
Berey's PracticalJenkins
" French Language.
Du Croquet's College Prep. Gram.
Du Croquet's Fr. by Conversation
Sauveur Causeries avec mes élèves
Sauveur & Langee First Lessons of Gram.
Fontaine's Les Prosa-teurs, Fr. du XIX siècle
Bernard's Idiomatic Fr.
Jenkins'
Magnanat's Course. Macmillan
Krohn's
Keetelen's Gram. & ReaderMaynard
Maynard's Texts
Elementary French
La France
Anecdotes Nouvelles
Colloquial Conver.Pitman
Pitman's
Douay's ReaderSilver
Duffet's Method
Magill's SeriesSower

GEOGRAPHY.

Davis'
Frye'sGinn
Tarr & McMurray's (3)
Pitman's Commercial.
Inductive Series.Silver
(two books)
Gilbert & Brigham's. Appleton
Rand, McNally Primary
Rand, McNally, Elene
Rand, McNally Gram. Sch.
Dodge's Three Book Series
Maury'sUniversity
McFarlane's Com. & Indust.Sadler
Tilden's Commercial. Sanborn
Geography of Commerce "

GEOLOGY.

Shaler's First B. in.Heath
Tarr's Elements.Macmillan
Scott's Introduction.
Helliop's EarthSilver

GEOMETRY AND TRIGONOMETRY.

Wentworth SeriesGinn
Baker's Geom.
Beman & Smith
Bailey & Woods'
Wheeler's Trig.
Durfee's Plane Trig.Ginn
Nichols' Trig.
Wells' SeriesHeath
Bower's Series "

Hunt's Gram. School Geometry
Waldo's Descriptive Geometry
Nichols' Analytic
Candy's Analytic
Edward's Geom.Macmillan
Lock-Miller's Trig.
Loney's Trig.
Plane GeometrySanborn
Petee's Plane Geom.Silver
Welsh's Trigonometry.
Brooks' Plane & Solid. Sower
" P. & S. Trig.Sower
Bradbury's Ele. Pl. Thompson
" Trig.
" Geom. & Trig.
" Acad. Plane.
" Acad. P. & S.
" Trig. & Survey.
Venable'sUniversity

GERMAN.

Int. Modern Language.Ginn
Collar's Eysenbach
Collar's Lessons
Bernhardt's Course
Stein's Exercises
Joyne-Melssner's Gram.
Harris' Ger. Lessons.
Heath's Series
" Dictionary
Guerber's Maerchen.
Deutscher Hiawatha PrimerHoughton
Jenkins'Jenkins
Belley's Der Praktische Deutsche
Dreyspring's Constructive Process for Learning Ger.
Schulze's Praktischer Lehrgang
Rippe's Kindes erstes Buch
Macmillan's Series. Macmillan
Maynard's Texts.Maynard
Neue Anekdoten
Deutschland und die Deutschen
Beginner's
Colloquial Conver.Pitman
Pitman's Practical
Mueller's SeriesSilver
Silver Modern Language Series
Loebberg's Reader.
Gems of Literature.
Bernhardt's
Eclectic
Worman's
Knobloch's Ger. Simp.University

GRAMMAR.

(See Language and Grammar.)

GREEK.

Goodwin's Grammar.Ginn
White's First
White's Beginners
Seymour's Iliad
Perrin & Seymour's Odyssey
Collar & Daniels' Beginners' Companion.
School Classic Series.
College Series—Authors
Bryant's Iliad.Houghton
Bryant's Odyssey.
Palmer's Odyssey
Masterpieces of Greek Literature
Browning's Blanks for Ger. VerbsJenkins
Haven's Blanks for Conjugation or Synopses of Ger. Verbs
Gospel of Mark.Sanborn

HISTORIES.

Myers' SeriesGinn
Emerton's M. Ages.
Montgomery's U. S.
" English
" French
Brigham's Geog. Influences in Am. Hist.
Hitchcock's La. Purchase
Lawler's Essentials of Amer. Hist.
Robinson's Western Europe
Thomas' U. S.Heath
Sheldon's U. S.
" General
" Grk. and Rom.
W. Thompson's U. S.
Munro's Source Book
Thomas' Elementary
John Fluke's U. S.Houghton
Larned's English
Riverside Blog. Series.

Ploetz's Epitome of.
Larned's U. S. Hist.
Tappen's Our Country's Story
Tappen's England's Story
Channing's U. S.Macmillan
Elson's U. S.
Shuckburg's Rome
Botsford's Greece
Robinson's Greece
Adams' European
Channing's Student
" Gram. School
Coman & Kendall's Eng. Anderson's U. S.Maynard
" England
" France
Leighton's Rome
Mace's School Hist. of U. S.McNally
Ellis's Young People's Sanborn
Recent European
Mowry's First Steps.Silver
Mowry's U. S. History
Andrew's Institutes.
Mowry's First Steps, England
Chandler's Makers of U. S.
Chandler's Makers of Va. History
Redway's Makers of the Empire State.
Chancellor's American History
Hazen's Elementary History
White's School History
Stone's England.Thompson
Hansell's School.University
" Higher
Jones' U. S.
Evans' Georgia
Brown's Alabama
L. & M. Mississippi.

LANGUAGE AND GRAMMAR.

Whitney & Lockwood.Ginn
Tarbell's Lessons.
Knox-Heath's Ele.
Lockwood's Lessons.
Arnold & Kittredge.
Mother Tongue Books 1. & 2.
Hyde's English Lessons. Heath
" Eng. Gram.
" Two-Book Course.
Allen-Hawkins' School Course in English.
Melkior's Eng. Gr.
Allen's School Gram.
Masterpieces of Latin LiteratureHoughton
Webster-Cooley Series.
Carpenter's Gram.Macmillan
Davenport & Emerson's Grammar
Reed & Kellogg's.Maynard
Reed's Introductory.
Kellogg & Reed's Word Building
Language Through Nature, Literature and ArtMcNally
Rand, McNally Primary Grammar and Composition
Rand McNally, Practical English
Supplementary Lessons in English
Atwood's Language Tablets
Analysis and Parsing.
Southworth's Language LessonsSanborn
Southworth's Composition and Grammar.
Southworth & Goddard's Series
Advanced Grammar
Bartlett's SeriesSilver
Milne's Grammar
Mead's the English Language and Its Grammar
Welsh'sSower
Dutton & Kelley's.Thompson

LATIN.

Allen & Greenough.Ginn
Hale & Buck's Gram.
Buck's Gram. of Oscan. & Umbrian.
Collar's Series
Moulton's Composition.
College Series of.
Halsey's Beginner's.Jenkins
Smith's First Year.
Sauveur First Talks with Caesar
Students' SeriesSanborn
Classics (58 books).
Beginner's BookSanborn
First Book
Latin Composition
Handbook of Homonyms
First Year of Latin.Silver

Fewsmith's Series.Sower
J. P. Welch's Series.
Gildersleeve-Lodge SeriesUniversity

LITERATURE.

(See English Literature.)

LOGIC.

Ballantine's Inductive.Ginn
Lafleur's Ill. of.
Creighton'sMacmillan
Jevon's "

MANUAL TRAINING.

Goss' Bench Work.Ginn
Hapgood's Needle Work
Foster's Elementary Woodworking
Hiawatha Primer.Houghton
Riverside Lit. Series.
Longmans' "Ship" Lit.
Longmans' Supplement
Fairly
Longmans' Infant Fairy
" "Ship" Historical.Houghton
" Chatty
Blaisdell'sMacmillan
Graded Literature.Maynard
Deane's PhoneticSilver
New Century Series.
Salomon's Sloyd
Brumbaugh'sSower

MENTAL SCIENCE.

Buell's Essence of.Ginn
Sanford's Psych.Heath
Compayre's Psych.
Herbart's Psychology.
Fitchener's Psych.Macmillan
Baker's Ele. Psych.Maynard
Davis' EthicsSilver
Davis' Elements of Psychology "

MUSIC.

Educational Series.Ginn
Mason's Course
National Course
Whitney's SeriesHeath
Hart's Class. Reader.
Emerson's Hymnal.
Riverside Song Book. Houghton
Brewer & Reddall.Maynard
Modern Series.Silver
Study
Cecilian Series.
Silver Song Series.
Normal Course "

NATURAL SCIENCE.

Atkinson's First Studies of Plant Life.Ginn
Burkett, Stevens & Hill's Agriculture for Beginners
Comstock's Ways of the Six-Footed
Conn's Bacteria, etc., in the Home.
Hodge's Nature Study and Life
Long's Wood Folk Series
Bailey's Physics.Heath
Guides for Teaching.
Rick's Natural His.
Rice's Teaching.
Spear's Leaves and Flowers
Scott's Nature Study.
Miller's Birds.Houghton
Burrough's Squirrels.
Eckstorm's Woodpeckers
Merriam's Birds.
Sargent's Corn Plants.
Torrey's Everyday Birds
Norcross's Springtime FlowersMyers
Griffin's Philosophy.Sower

NUMBER WORK.

Primary Number W'k. McNally
Digit Dominoes. "

ORATORY.

Smith's Reading and SpeakingHeath
Espenshade's Forensic DeclamationSilver

PEDAGOGICS.

Compayre's His. of.Heath
Heath's Pedagog. Lib.
Hall's How to Teach History
Landon's Class ManagementMacmillan
Arnold's Waymarks.Silver
Smith's Systematic Methodology
Morgan's Studies
Putnam's Manual. "

PENMANSHIP.

Shaylor & Shattuck's MedialGinn
Shaylor's Vertical
Ginn's Slant
Nat. Sys. of Vertical.Heath
Merrill's Vertical.Maynard
Merrill's Modern
Round Rapid Writing. McNally
Upright
Williams-TillfordNational
Lester's Budget Writing Les.Sadler
Rational SlantSanborn
Roundhand Vertical.
Vertical
Standard Vertical.Sower
Popular Slant
Normal System.Silver
Morse Educational System
DuntoulauThompson
University Series.University
Simplified Penmanship. "

PHYSICS.

Gage's SeriesGinn
Higgins'
Miller's
Millikan's Mechanics.
Wentworth & Hull's.
Stone's
Dolbear's
Hastings & Beach's.
Chute's Lab. Man.Heath
Whitling's Physical Measurement
Bailey's Ele. Physics.
Watson's Text-book of Balfour-Stewart's. Macmillan
Crew's Elements
Nichols'
Shaw'sMaynard
Thwing's Elementary.
Mead's Elements.Silver
Grifford's Ele.Thompson

PHYSICAL CULTURE.

Stoneroad'sHeath
Pray's Motion Songs.
Bancroft's Gymn.
Anderson'sMaynard
The Ling System.Silver

PHYSIOLOGY AND HYGIENE.

Blaisdell's Series.Ginn
Colton'sHeath
" Briefer
" Elementary
Foster & Shore.Macmillan
Foster & Shore.
Huxley & Bee.
Devine's
Ely's Outlines
Hutchinson's Series.Maynard
Stowell's Health Series. Silver
Gifford's Ele.Thompson
Eddie's Phys. & Hygiene (for children)University
" Phys. & Hygiene (for young people).
Brand's SeriesSanborn
Academic "

POLITICAL ECONOMY.

Thompson'sGinn
Gilde'sHeath
Davenport'sMacmillan
Macvane'sMaynard
Bullock's Economics.Silver
Meserve'sThompson

READERS.

Cyr's SeriesGinn
Jones' Series
Stickney's Series
Finch's
Summer's
Strong's
Classics for Children.
Heart of Oak.Heath
Bass'
Heath Readers
Pratt America's Story.
Blaisdell Child Life (Primer & 5 books)Macmillan
Judson & Bender's.Maynard
Lights to Literature. McNally
New Century. "

Cleveland's Beginners' (3 books)Sanborn
Cleveland's Historical.
Parker & Marvel's Supplementary
Tomlinson's Stories of American Revolution.
Normal Series.Silver
Stepping Stones
Rational Method
Morse
Brumbaugh's Standard. Sower
Hall & Brumbaugh's Primer
Davis'University
Holmes'
Lippincott's
Pathways in Nature & Literature (First & Second Reader). "

SHORTHAND.

Barnes' Shorthand for High Sch.A. J. Barnes
Shorthand Manual.
Business Letters in Shorthand
Barnes' Shorthand Readers
Twentieth Cent. Series.
American Phonography. Ginn
Isaac Pitman's Complete Instructor.Pitman
Complete Amanuensis Course for H. Sch.
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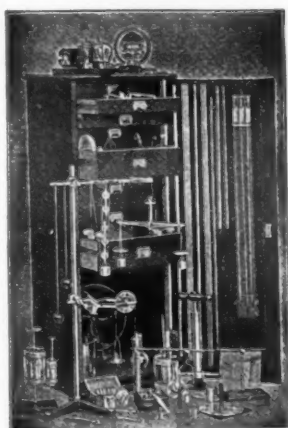
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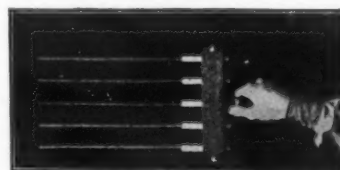
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VOL. XXXI, No. 2.

MILWAUKEE—NEW YORK, AUGUST, 1905.

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Recent Decisions.

The Supreme Court of Illinois has reversed itself in a second opinion handed down in the case of the city of Chicago versus Hanberg, holding in its latest opinion that school lands, even though leased for revenue, are not subject to taxation. Last October, in the original opinion, the court held that such lands must be taxed on the same basis as private property. The court now holds that the land, represents school value, and as such the law does not contemplate deriving revenue from it.

New York City, N. Y. Justice Olmstead has decided that under the Penal Code, teachers may be appointed temporary guardians of unruly children and as such may exercise all the disciplinary rights of parents. The justice appointed several teachers temporary guardians in order that they might whip certain refractory pupils, notwithstanding the by-rule of the board of education forbidding corporal punishment.

Altoona, Pa. The school board at Frankstown, Pa., has been removed by the local court and a new board appointed. The old board had been deadlocked over organization, being unable to elect a secretary.

The annual report of State School Commissioner Jones of Ohio, shows that the so-called "Boxwell" law is proving very popular with rural school children. The law provides that children in districts, where no High School is conducted, children may present themselves for examination for admission in any High School. If they are qualified for the work, they will be permitted to attend without paying tuition. During the last year 16,299 pupils were examined, and only 6,563, or about one-third, were able to pass. The cost of conducting the examinations was \$15,746.90.

AMONG BOARDS OF EDUCATION.

Chicago, Ill. The board of education has condemned the affiliation of the Teachers' Federation with the Chicago Federation of Labor by the following resolution:

"Without questioning the propriety of the organization of labor on the advisability of public school teachers forming associations for mutual improvement and assistance along educational lines, it is believed that public employees elected to serve impartially all classes of the public should refrain, both as a matter of taste and public policy, from affiliation with any particular class of citizens. Our honored president of the United States has properly, we think, set the seal of his high official disapprobation upon such partisan affiliation of public employees in the case of mail carriers and public printers.

"How much more reprehensible, then, is it for public school teachers to officially ally themselves with any special section of the public. Our teachers are not employed to teach the children of any particular class, and, whatever their rights as individuals, they have absolutely no moral right of justification in assuming a partisan attitude and deliberately taking the side of one part of the public against another part.

"We ask the serious and thoughtful teachers in our schools to carefully consider this matter as of grave importance to the schools and to the professional dignity of their high calling, to say nothing of the certain alienation of the sympathy and support of the majority of school patrons and taxpayers."

Topeka, Kas. The school board has passed a resolution that all resignations of teachers be placed in the hands of the clerk and transmitted to the chairman of the committee on teachers. In the past all resignations were made to the superintendent of schools, who reported them at the following meeting of the board and at the same time recommended the name of a teacher to fill the vacancy. The consequence was that often persons were elected to positions concerning whose fitness and character little or nothing was known by the board members. The new method will permit the committee on teachers to examine all applicants and recommend the best to the entire board for appointment.

The report of the state board of education of Connecticut recently submitted to the governor of that state, shows that not less than 3,945 persons are engaged in the administration of the schools, which is one to every 230 population, and one to every 31 children in average attendance. There are 78 boards of school visitors, 83 town school committees, 14 boards of education, and 846 sets of district officers, making 1,007 local bodies concerned with the management of the public schools.

The extent of this surplussage of school officers is seen in the case of one town in which there is a population of 750 and the number of school officers is 46, being one to every 16 of the population and one for 1.4 pupils in average attendance.

The result of the labors of all these bodies is not as good as it might be if they were reduced in number and their authority increased.

Northfield, Minn. The board has decided to restore the two session plan in the High School next September. The one session plan did not operate successfully.

Altoona, Pa. Upon recommendation of Supt. Wightman the board has abolished the percentage system of marking pupils' reports because of the friction it caused between teachers, pupils and parents. The old plan of marking excellent, good, medium and poor was substituted.

Spokane, Wash. The school children of Spokane had, during the month of June, more than \$17,000 on deposit in the school savings banks.

New York City. The board of education has opened nine summer schools and thirty-six vacation playgrounds.

Chicago, Ill. The board of education has secured from the city council an appropriation of \$1,750,000 for the erection of new school buildings. This is the largest amount allowed the board for such a purpose at one time.

Lincoln, Neb. Principal Henry Sanders has extended the self-government plan in vogue in his school by establishing a commonwealth and granting a constitution.

Cleveland, Ohio. The school enumerators encountered great difficulties in taking the census in certain districts populated by foreigners. Many of the parents refused to give the names of their children or deliberately lied because they feared that the children might be drafted into the army. Others believed that their children might be prevented from going to work.

Iowa City, Ia. The school board has induced the local book dealers to sell all text books to school patrons at a reduction of five per cent. from the retail list price.

Lock Haven, Pa. The school board has adopted a regulation providing that bids shall be received on all work costing over \$20.

Chicago, Ill. The school management committee of the board of education has fixed the date of opening the evening school term October 16. The session will last eight weeks. Twenty-eight schools will be opened.

Altoona, Pa. The school board is planning to introduce an industrial course in the High school.



NATHAN C. SCHAEFFER,
President, National Educational Association,
Harrisburg, Pa.

Toledo, Ohio. The school board will employ two truant officers during the coming school year. A salary of \$900 per annum will be paid each.

Cleveland, Ohio. At a recent meeting of the school board the position of sanitary engineer was created with an annual salary of \$1,500. The salary of the assistant school architect was raised from \$1,800 to \$2,000.

The Chicago Board of Education opened on July 10th eight summer schools for a period of five weeks. Seven thousand pupils were enrolled at that time, and fully one thousand were refused admittance for lack of room. The funds to carry on the work were provided by the various women's clubs and a \$5,000 appropriation from the board.

The curriculum for the schools was arranged several years ago. Books are laid aside altogether, and courses in pottery, drawing, music, sewing, physical culture, manual training, housekeeping, metal working and bookbinding are taken up. Weekly excursions to the public parks and other points of interest are made, where simple studies in botany and geology are made.



Return from Asbury Park.

Husband: Glad we are getting home once more?

Wife: Yes, and glad too, that we never allowed those horrid educational meetings to interfere with our sight-seeing.

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Shall the State Regulate Teachers' Salaries?

By Frank H. Sommer, Esq., Member Board of Education,
Newark, N. J.

I recently had in my possession a collection of excerpts from various writings in appreciation of the importance to the State of the work of the teacher. As I turned page after page it seemed to me that the chorus of appreciation ever grew and that the resources of all tongues had been exhausted in the effort to give appreciative expression to the importance of the profession of the teacher.

It seemed to me that here at least was one class of public servants the value of whose service to the state was not questioned and whose skillful and faithful performance of its work had met with deserved recognition.

A little later and while the effect of my examination of this collection was still vivid there came to my hands the Report of the Committee on Salaries, Tenures and Pensions of School Teachers, of this association. I turned to this report with interest for there I expected to find that appreciation had taken a form more substantial than words. To my dismay I found embodied in a mass of statistics this statement, referring to a table contained therein, involving a comparison of the earnings of municipal employees—laborers on street and sewer work—with the earnings of women teachers in the elementary schools of some forty-eight cities in various parts of the country:

"On the basis of fifty weeks of work during the year the earnings of the laborers would in nearly every city exceed those of the lowest paid elementary teachers. The exceptions to this are only three (sic)—Chicago, Ill., Columbus, Ga., Meridan, Mass., and Washington, D. C. In the cases of Columbus and Meridan, all the laborers are of course colored, while the teachers are white. In many cases the laborer's pay is greatly in excess of the teachers' minimum."

So astounding seemed this statement that I feared that some grave error had been committed but as I scanned the figures and compared them with other data the conviction was borne in upon me that here there was no error, and that the statement, startling though it was, was fully supported by the facts.

These few lines of this report blotted out for me the pages of words of appreciation and there came before me the picture of a bright faced child entering one of our elementary schools, passing to one of our secondary schools and then on into a Normal and Training School, maintained throughout by the self-denial of others; passing again into our elementary schools and there devoting herself to the work of preparing others to take their places in the citizenship of this republic, until her hair first lustrous brown, became streaked with grey and later a crown of snow-white; until her head once proudly held erect was lowered by the burden of advancing years, and the face once glowing with health took on a startling pallor; compelled long past the age of useful endeavor to keep up the effort to teach, and—finally surrendering and seeking provision for the few remaining years of life at the hands of others, or petitioning for state or municipal aid—and why? The answer echoes and re-echoes. She gave to her life's work years of preparation; upon the faithful performance of that life-work the welfare of the state was dependent; in its performance, always on public view, she was obliged to live according to the standards of those about her, and a grateful people bestowed upon her, in reward, the munificent

compensation of its unskilled labor in street and sewer work, scarcely sufficing for the bare necessities of life and admitting of no provision for declining years.

You who are members of our educational boards must bear testimony to the truth of this picture; for have you not time and again been called upon to deal with a teacher who had served the community well, but whose days of usefulness, through advancing years, was past; whose continuance in the schools worked positive harm? And yet have you closed the portals of the schools to her? I dare say not. And was this not due to the fact that your heart revolted at the thought of turning adrift a faithful public servant, who, through no fault of her own, was without means of future sustenance?

Words of appreciation are not to be decried, but "actions speak louder than words," and in our treatment of the teachers of our common schools it would seem that we as a people had been guilty of "lip-service."

How comes it that the conditions set forth in this report exist? How comes it that action does not square with word? Why is it that with increased and steadily increasing requirements in the preparation for the work of the teacher, with teaching raised to the level of other professions, with a steady increase in the cost of the necessities of life, with compensation in other occupations and professions tending upward, the compensation of the teacher is measured by that paid to unskilled labor?

Running over the statutes of our States I find that as a general rule while the fixing of the compensation of teachers is the function of a local educational board, yet the funds available for payment are provided and limited by another municipal body and that therefore this function of the educational board is not independent but is limited.

As the result of inquiry I find that local boards of education as a rule have been alive to the conditions which have been pointed out, but that oft-times their efforts to better these conditions have been rendered futile by the action of the municipal body entrusted with the apportionment of municipal funds.

When the sphere of women's activity was limited; when of the professions that of the teacher alone was open to her; when the requirements for teachers were of anything but an exacting nature, the standard of compensation for teachers was fixed, but as other occupations and professions have opened to her, and as the requirements of teachers have become more and more exacting, our municipal bodies upon whom falls the duty of providing funds for payment have been slow to make provision that would admit of increasing the standard of compensation. In great part this is due to that bane of municipal authorities—the tax rate, upon the maintenance of which at a low level continuance in power is deemed to be dependent and to the fact that from the standpoint of political expediency the item "for teachers salaries" in a tax budget seems more readily to admit of reduction than some others.

In these conditions we have another illustration of the verity of the statement made by Bryce in his *The American Commonwealth*: "There is no denying that the government of cities is the one conspicuous failure of the United States. The maintenance and regula-

tion of the schools is primarily a function of the State; this function it has in part delegated to the municipalities. They have been remiss in their duty to provide a "living wage" for the maintenance of the teaching corps and naught seems to remain save for the State to interfere and enforce the preformance by the municipalities of this obligation."

In several states steps in this direction have been taken. Indiana, Maryland, Mississippi, New York, Pennsylvania and West Virginia, have placed upon their statute books laws establishing a minimum salary to be paid to teachers.

The statute applying to the City of New York is analyzed in the report of the Committee on Salaries, Tenures and Pensions and suggestion for the amendment thereof are made, which are well worthy of study.

The enactment of statutes merely establishing a minimum salary for all teachers will not suffice to correct the evil conditions which we have considered. Such statutes should contain provisions applicable to the more populous municipalities requiring the payment, at the end of fixed periods of adjudged meritorious service, of a specified minimum sum yearly in addition to the prescribed minimum salary, in order that continuous meritorious service receive recognition.

Such statutes might also with advantage require the adoption by the local boards in the more populous municipalities of regular schedules of salaries with provision for a fixed regular increase for merit and additional length of service; the consideration of the revision of such schedules at the expiration of stated periods of years at a special meeting, action upon the subject of the revision thereof to be taken only at a subsequent meeting held after the lapse of a stated period of time; and that pending such required periodical action upon the question of the revision of such schedules no alteration be made therein without the consent of three-fourths of the members of the local board at a meeting specially called for that purpose.

Legislation along these lines will be of little avail, however, so long as the power is vested in a local body to limit arbitrarily the funds available for the payment of teachers' salaries and the scheme of legislation requires for its completeness a statute fixing a minimum sum to be raised annually for the payment of teachers' salaries, basing this sum upon a percentage of tax-ratables; upon school attendance; or fixing it by other means as may best serve under the varying conditions which prevail in the several states.

DETROIT ARCHITECT SPEAKS.

In reply to yours of the 7th inst., will say that my experience is that schools built according to my plans and specifications run from 9½ to 10½ cents per cubic foot, the cost depending upon the local conditions and location.

It costs more to build in cities than in the country, where labor is cheap. Grammar schools run in cost from \$60.00 to \$65.00 per pupil, and high schools from \$85.00 to \$90.00, also depending upon the locality, but again materials and labor are on the increase and these figures will be of no use in a year or so, as a percentage will have to be added for the increase in cost of various materials.—Edw. C. Van Leyen, Architect, Detroit, Mich.

School Boards in Convention.

MINUTES OF THE DEPARTMENT OF SCHOOL ADMINISTRATION, N. E. A.

First Session—Wednesday, 9:30 a. m., July 5th, 1905.

The meeting was called to order by the secretary, who announced the unavoidable absence of the president, and upon motion Hon. Harvey H. Hubbert, Member Board of Education of Philadelphia, was selected to preside.

William George Bruce then read a paper on "Recent Progress in School Administration." It was discussed by John A. McCall of Grand Rapids, Mich.

Hon. A. L. Bixby, Member of Board of Education, Lincoln, Neb., sent word that he had been stricken with illness during the journey and was unable to be present.

Frank H. Sommer, Esq., Member Board of Education, Newark, N. J., read a paper on "Shall the State Regulate Teachers' Salaries?" The discussion was led by Mr. H. H. Hubbert, followed by Mr. E. E. Reed, Member Board of Education, Camden, N. J. Hon. Thos. T. Tynan, State Superintendent of Wyoming, Supt. Phillips of Scranton, Pa., State Supt. J. W. Olsen of Minnesota, Mr. A. C. Willison, Cumberland, Md., and Miss Harriet T. Treadwell, Chicago.

Miss Treadwell of Chicago moved that this body ask the program committee to make the subject of teachers' salaries one to be discussed before the general sessions next year. The motion was carried.

Adjournment.

Second Session—Thursday, July 6th, 9:30 a. m.

The meeting opened with Mr. Charles S. Foos in the chair.

Mr. Seymour Davis of Philadelphia read a paper on "Recent Progress in School Architecture."

The discussion was led by Dr. William R. Broughton of Bloomfield, N. J. He was followed by E. Herman Arnold of New Haven, Conn.

Mr. C. B. J. Snyder, Superintendent of School Buildings for the Board of Education of New York read a paper on "Needed Legislation in School Architecture."

Discussions were participated in by Messrs. William Geo. Bruce, Milwaukee, Wis.; John A. Hartpence, Trenton, N. J.; J. D. Simpkins, Jas. A. Foshay, Los Angeles, Cal.; Supt. Phillips, Scranton, Pa., and others.

Mr. E. Herman Arnold of New Haven, Conn., moved that the subject of school architecture be recommended for discussion at the general sessions next year and at the meeting of the Department of Superintendents next winter. Carried.

The selection of department officers was referred to the Executive Committee of the N. E. A. with the following recommendations:

President—Hon. A. L. Bixby, Member Board of Education, Lincoln, Nebraska.

Vice-President—Mrs. Pauline Steinem, Member Board of Education, Toledo, O.

Secretary—William George Bruce, Milwaukee, Wis.

After extending thanks to Messrs. Snyder and Davis, and the local committees the meeting adjourned.

Note—All papers and discussions will appear in the columns of this journal.

THE NEW JERSEY HOSTS.

The real hosts at the Asbury Park N. E. A. meeting were Supt. W. M. Swingle and W. J. Shearer.

Mr. Swingle presided at the New Jersey headquarters at the Coleman House. It was the center of things and Swingle was the center spot. He was on hand at all hours with a kind word, a happy smile and a spirit of helpfulness and cozyness prevailed his presence.

Supt. W. J. Shearer, of Elizabeth, was on hand with an automobile. Morning, noon and night he took the school men and their wives over the pleasant drives through Deal, West End, Elberon and Long Branch.

"Shearer is a prince and an expert chauffeur," said a western superintendent. "His hospitality is unique. It has never been met with at any N. E. A. meeting. He has taken out at least several hundred visitors in his vehicle which, by the way, he handles in an admirable manner."

BUSY SUPERINTENDENTS.

The American Institute of Instruction, the oldest educational association in the United States, met during July at Portland, Me. Walter E. Ranger was elected president; Wm. C. Crawford, of Boston, secretary; Alvin F. Pease, Malden, Mass., treasurer.

Rockford, Ill. The medial writing system will replace the vertical.

Freeport, Ill. The school board has dropped the study of bookkeeping from the eighth grade.

Omaha, Neb. The school board has increased the salary of Supt. Davidson from \$3,600 to \$4,500.

Raytown, Mo. Seven school districts in Jackson county will establish a rural high school with Raytown as the center. The first high school of this kind in Missouri was established three years ago and has been successfully conducted ever since.

"School Topics" is the name of a new school journal published in Cleveland, O. A. E. Hyre, the editor, is the husband of a school board member of the Cleveland school board. The new journal will be devoted to Cleveland and Ohio school interests.

Fargo, N. D. The school board has adopted a new business course for the high school. Work for three full years is provided but students who can spend but two years in the high school will receive excellent business training. Following is the course as adopted:

First year—Arithmetic, bookkeeping, commercial geography, literature, composition and reading, penmanship and spelling.

Second year—Arithmetic and arithmetical methods, algebra, bookkeeping, grammar and composition, reading, penmanship and spelling.

Third year—American history, civil government, commercial law and elementary agriculture, rhetoric and logic, reading, penmanship and spelling.

Kansas City, Mo. The school board has been denounced by the labor organizations for increasing the length of the school term to ten months and not increasing the salary of the grade teachers.

Houston, Tex. The school board has appointed a business representative. The new official will report daily to the superintendent of schools and attend to all matters as require the attention of an authorized representative.



MISS JANE ADDAMS.



MISS C. B. DEBEY, M.D.

The two women members of the Chicago Board of Education recently appointed by Mayor Dunne.

Toledo, O. The school board has adopted a new salary scale for high school teachers. In general the salaries are increased. Following are the new rules:

Salaries of high school teachers shall be paid monthly and shall be regulated in accordance with the following plan:

High school teachers shall be divided into five classes, known as A, B, C, D and E respectively. Compensation of class A shall be at the rate of \$1,600 per annum; of class B, \$1,400 per annum; of class C, \$1,200 per annum; of class D, \$1,000 per annum; of class E, \$800 per annum.

Advancement of teachers from a lower to higher class shall depend primarily upon ability and efficiency, the work of instruction, nature of the position and experience being also taken into account. Such advancements shall be made only upon recommendation of the superintendent of schools or the principal of the school where the teacher is employed, and such recommendation must be confirmed by the board of education.

HIGH SCHOOL FRATERNITIES.

Secret societies in secondary schools were denounced at the recent convention of the N. E. A. in a report presented by a special committee. The report enumerates the following reasons why such organizations should be discouraged, as follows:

"Because they are unnecessary in High Schools; because they are factional and stir up strife and contention; because they form premature and unnatural friendships; because they are selfish; because they are snobbish; because they dissipate energy and proper ambition; because they set wrong standards of excellence; because they are narrow; because rewards are not based on merit, but on fraternity vows; because they inculcate a feeling of self-sufficiency in the members; because they lessen frankness and cordiality toward teachers; because they are hidden and inculcate dark-lantern methods; because they foster a feeling of self-importance; because High School boys are too young for club life; because they foster the tobacco habit; because they are expensive and foster habits of extravagance; because of the changing membership from year to year, making them liable to bring discredit and disgrace to the school; because they weaken the efficiency of and bring politics into the legitimate organizations of the school, and because they detract interest from study.

"Secret fraternities are especially condemned in public schools, which are essentially democratic and should not be breeding places for social differences. The committee believes all legitimate elements for good—both social, moral and intellectual—which these societies claim to possess, can be better supplied to the pupils through the school at large in the form of literary societies and clubs under the sanction of the faculties of the schools."

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The Crime in Blackboard Crayons

FOURTH ARTICLE.

Injurious Adulterations of Plaster Paris with Chalk.

Results of the Exposure.

The exposure so strikingly made in the columns of the School Board Journal during the past three months regarding the adulterations in the manufacture of blackboard crayons have been followed by surprising results.

Hundreds of school boards have stricken the common Plaster Paris crayons from the list of supplies and have demanded *pure chalk crayons, steatite or boro-talc.* Several of the larger cities have made independent investigations and in each the results have verified the statements made by this journal.

The manufacturers of the adulterated crayons have made the announcement to the school public that the sale of the better grade will hereafter be encouraged by them. In fact, it is held that the tendency in recent years has been in the direction of cheapness and that business competition has led to the manufacture of the cheapest article. This necessarily prompted a constant lessening in the cost of production and the introduction of Plaster Paris as a cheap substitute for pure chalk crayon.

It only follows that if the school public demands a pure article the manufacturer will supply it. Hence, it remains for teachers and school boards to acquaint themselves with the various grades of crayons and distinguish between the harmful and the harmless. The manufacturer will readily adapt himself to the commercial demands of the day and supply a better article as against the worthless, if the difference once becomes a matter of common knowledge. Ask for the right article and you will get it.

Abolish Plaster Paris Nuisance.

The lesson which has been taught makes it the duty of school authorities to insist upon crayons that are absolutely free from Plaster Paris. A simple clause to this effect inserted in every order given by the school board secretary will remedy the matter and produce the pure article. The better article may be a trifle higher in cost, but the cause of school room health will be vastly promoted thereby.

In preceding articles it was shown that Plaster Paris crayons not only create more dust than is created by the other crayon materials used. It was proven that in the use of Plaster Paris crayons a large percentage of dust floats about the school room.

It was positively demonstrated by the highest medical authorities that Plaster Paris dust is positively harmful in that it irritates the membranes of the throat and lungs, and becomes the forerunner to more serious physical complications.

Hint to School Secretaries.

We advise school authorities, in ordering their supplies of the ensuing year, to insert the following positive condition:

It is hereby stipulated and made part of this order and contract that the crayon purchased thereupon must be absolutely free from calcium sulphate or plaster paris; and, it is made a fur-

ther condition of this contract that any crayons purchased under the same and found to contain any calcium sulphate or plaster paris and so established and proven by a reputable chemist, will be sufficient cause to revoke and nullify the order and contract, and release the Board of Education from any obligation to pay for the crayons so adulterated and furnished by the contracting party or parties.

Test in Chicago.

As is their custom the Chicago board of education through their business manager made up a list of the various items of supplies required to run their schools during the next fiscal year and on June 2, advertised for bids on same. Among these items were 30,000 gross of Enamelled Chalk Crayons.

After these lists were made up and bids called for the attention of members of the board was called to the subject of Crayon adulterations by the series of articles appearing in the AMERICAN SCHOOL BOARD JOURNAL and therefore to determine for themselves the exact truth on this subject, the Business Manager was instructed to employ a reliable firm of chemists and have an analysis made of not only the crayon that had been in use in the schools during the past year but also each and every sample submitted with bids for a supply during the coming year.

The report of the Columbus Laboratories of 103 State St., Chicago, to the board on this subject was as follows:

Board of Education, City:

Gentlemen:—We beg leave to report to you the result of analysis of samples of Yellow Enamelled Crayons used by the Chicago Public Schools during year ending June 30, 1905.

Sulphate of calcium (Plaster of Paris) ..	68.95
Carbonate of Calcium (Pure chalk)	10.30
Moisture and a little organic matter	19.40
Sand and insoluble matter	1.35

100.00

Samples of Crayon marked "Boro-Chalk" and submitted by you also contained,	
Carbonate of Calcium (Pure chalk)	92.60
Boric acid moisture and organic matter ..	6.76
Insoluble in acids64

100.00

All samples submitted other than Boro-Chalk were identical in character to the crayons used last year. Seven samples submitted.

Very truly yours,

THE COLUMBUS LABORATORIES.

Per G. L. Teller.

When the committee on buildings and grounds of the board of education met on July 6, to consider bids on crayon, this report was read to them in connection with the various bids on this subject. The various crayons were also tested as to durability, adaptability to be used on any kind of blackboard and the amount of dust produced by each and it was the unanimous opinion of the entire committee that Boro-Chalk was the most durable, the best adapted for all kinds of blackboards used in

the Chicago schools and produced the least amount of dust. Even though the price of same per gross, was over four and a half times as great as what adulterated Enamel Crayons were offered the board all points being considered it was the lowest responsible bid, and the board was recommended to purchase 30,000 gross of Boro-Chalk from the United States Crayon Co., of Girard, Ohio, for use in the Chicago schools during the coming year. This recommendation was adopted by the full board on July 12, and thus we have one more of the leading cities of the country attest their approval of the Campaign inaugurated by this Journal against dangerous adulterations and unsanitary conditions existing in the school-room.

As Bad as Coal Dust.

Editor School Board Journal:

Replying to your question regarding the effect produced by the continual inhaling of minute particles of dust from crayons composed of Plaster Paris, will say that it would be very similar to that of the inhalation of particles of coal dust as among miners. This produces a form of lung trouble difficult to remedy unless there is a change of occupation. Actual deposits of this foreign material occur in the bronchial tubes, giving rise to bronchial catarrh.

This is an interesting subject. Too much cannot be done to safeguard the health of our teachers. Yours for health,

E. ELMER KEELER, M. D.,

President International Health League,

Syracuse, N. Y.

Makes Recommendations.

Editor School Board Journal: In discussing the school crayon question, you should advise the manufacturers to make a good crayon that will make a mark that can be seen more than fifteen feet. The eye-sight enters into the discussion. Cheap, soft crayon is preferred by many teachers because it makes a broad, legible mark. I should like to see a satisfactory stick of school crayon that is composed of pure calcium carbonate. The proper crayon has not been made yet.—J. D. Simkins, Superintendent of Schools, Newark, Ohio.

Milwaukee, Wis. The letting of the contract for blackboard chalk by the board of education was stopped temporarily in the buildings and grounds committee, when it was discovered that the brand now in use in the city schools contains more than 60 per cent. of sulphate of calcium, which is the principal ingredient of plaster of paris. The later material, it was argued, is injurious to the eyes and the respiratory organs when reduced to a dusty powder.

The board of education of Racine, Wis., advertised for bids for 300 gross Yellow Enamelled Crayons on May 26. Learning from the AMERICAN SCHOOL BOARD JOURNAL that this style of crayon was being adulterated and hearing that the Chicago school board was having an analysis made of the various crayons on the market they sent for a report from there and as a result on July 7, they placed their order for Boro-Chalk with M. H. E. Beckley of Chicago.

(Editor's Note:—The first of this series of articles appeared in the May number of the American School Board Journal.)



School Administration

Teachers Salaries.

Binghamton, N. Y. The board of education has passed a resolution providing that no teacher shall be employed in the High School who is not a college graduate and who has had not less than one year of teaching.

A schedule of salaries has also been adopted as follows:

The minimum salary for High School teachers shall not be less than \$500 per year, and the beginning salary of any teacher may be increased above \$500, according to her experience, ability or special training as determined by the teachers' committee and the superintendent. The salary of any High School teacher whose work is satisfactory, shall be increased annually not less than \$25, until the maximum salary is reached.

The maximum salary for High School class teachers shall be \$750 for women, and \$900 for men. The maximum salary for department heads shall be \$850 for women, and \$1,000 for men. There shall be three vice-principals appointed for the High School, who shall have immediate charge of the assembly halls, and whose salaries shall be determined by special arrangement of the Board of Education.

Louisville, Ky. The school board has increased the salary of all teachers in the schools \$2.50 per month.

Dravosburg, Pa. The Mifflin township school board has fixed the salary of teachers as follows: Inexperienced teachers, \$40 per month; teachers with one year's experience, \$45 per month; teachers with three or more years' experience, \$50 per month; principals of five room buildings, \$65 per month.

Perrysburg, Ohio. The salary of all teachers who have one year's experience has been fixed at \$45 per month. Inexperienced teachers will receive \$40 per month.

Guthrie, Okla. The board of education has raised the maximum salary of all teachers from \$50 per month to \$60, and increased the annual salary of the superintendent of schools \$200.

An Ohio daily commenting recently on the low salaries paid in some of the counties stated that nearly all the male teachers in two townships have secured positions with a local traction company as motormen or conductors.

Versailles, Pa. The school board has fixed the salary of teachers in the schools at \$50 per month.

McKeesport, Pa. The school board has been obliged to raise the salaries of all the teachers and principals in the schools. Many of the best teachers left during the past year to accept positions in other towns at increased salaries, and the raise was deemed necessary to hold those now employed. The schedule of salaries ranged from \$45 to \$60 per month, according to the length of service and grade. New teachers will in the future begin at \$40 per month and have their salaries increased regularly until a maximum of \$65 per month is reached.

West Toledo, Ohio. The school board has fixed the salary of first year teachers at \$35 per month. The maximum of wages of teachers who have served five years or more was raised from \$40 per month to \$50.

Spokane, Wash. The rules of the board of education provide that the salary of teachers shall be advanced \$5 per month for every year's

experience up to a maximum of \$80 per month. No teacher, however, after an absence of one year or more, shall receive more than \$70 per month.

This provision has rather discouraged teachers, who wished to improve themselves, from leaving teaching and entering higher institutions of learning. The board has now amended the rules by adding a clause which insures all who leave with the consent of the board and pursue professional studies, the same salary and rating which they held before they left.

Fort Worth, Tex. The school board has adopted a new salary schedule and rules for fixing and advancing the salaries:

1. Assistant teachers holding temporary certificates, \$35 to \$75 per month.

2. Assistant teachers holding intermediate, permanent primary or state first grade certificates, \$40 to \$75 per month.

3. Assistant teachers holding High School, state permanent certificates, or diploma valid as a permanent certificate, \$45 to \$75 per month.

4. High School assistants holding certificates as in 3, \$80 to \$117.65.

5. Principals in ward schools holding certificates as in 3, in charge of eight-room schools or more, \$100 to \$135.

a. The advance of a teacher or principal from one grade of salary to the next higher shall be conditioned upon satisfactory service and progress in these schools; and upon the satisfactory performance of the duties set forth in the rules governing the teachers.

b. In order to change the basis of salary from primary grade to intermediate of High School grade it shall be necessary for teachers to pass the city teachers' examination for that grade.

c. The salary committee in conjunction with the teachers' committee will place the salary of each individual teacher, based on certificate, experience, satisfactory service and inclination of teacher to prepare themselves during vacation by attending normals, schools of method, etc., for more efficient service.

Special Studies.

The correlation which should exist between music and the other branches of school study has not received much attention from educators. How the value of music can be greatly enhanced has well been brought out by Miss Elizabeth Casterton in a recent address.

The subjects that offer the most immediate opportunity for correlation are nature study, geography, history (including biography) and literature. Nature study and music should start hand in hand in the kindergarten, and continue throughout the school course. The songs should be planned as the nature work is planned, according to the season, and should relate to the various phenomena of nature as they appear.

In connection with geography or history, what could be more interesting than a few folk or national songs of the country being studied? Side by side with the political history of a country runs collateral music, dealing with the home life, science, ethics, history, literature, or some one of the many things that go to make up its general civilization. So a song properly studied should give to the child interest and information in regard to some one of the many features of the nation's life.

History is closely interwoven with music.

How little the Marseillaise hymn means to a pupil if he knows nothing of the political history of France, and of the circumstances surrounding the composition of that famous song!

Music can be correlated with literature. The song that embodies great ideas and noble sentiments is an effective means toward storing the child's mind with the great thoughts of other souls. The child should obtain through the medium of music, if in no other way, an extensive knowledge of the best poems.

Lebanon, Pa. Shorthand and typewriting will be introduced as an optional study in the High School next September.

Toledo, Ohio. The board of education will in the future have sole charge of the manual training school, formerly conducted by the Toledo university.

Spokane, Wash. The vertical writing system has been abandoned and an intermediate slant system adopted.

Champaign, Ill. The school board has employed an instructor of manual training at a salary of \$80 per month.

Fargo, N. D. The school board has adopted a three years' business course for the High School.

Adrian, Mich. The school board will introduce manual training in the school beginning next September. The sum of \$3,000 will be asked for the conduct of the work.

Notables at the N. E. A.

Among the prominent educators who attended the Asbury Park meeting were the following: Dr. W. T. Harris, G. Stanley Hall, J. M. Greenwood, W. H. Bartholomew, C. H. Keyes, Henry Turner Bailey, Lloyd E. Wolfe, Carroll G. Pearce, Lewis H. Jones, W. G. Gordy, Albert G. Lane, Newton C. Dougherty, Nathan C. Schaeffer, W. W. Stetson, Andrew S. Draper, Howard J. Rogers, Rueben P. Halleck, W. M. Davison, F. Louis Soldan, Edwin G. Cooley, E. Oram Lyte, Edwin H. Mark, Wm. H. Maxwell, Clarence F. Carroll, Jas. H. Van Sickle, H. M. Slauson, Charles P. Cary, Edmund A. Jones, John F. Riggs, J. A. Shawan, W. C. Martindale, Chas. B. Gilbert, W. H. Elson, Wm. J. Shearer, A. D. Poland, Chas. J. Baxter, J. Y. Jayner, A. S. Downing, Gustave Straubenmueller, C. E. Meleney, etc., etc.

Rural School Problem.

Speaking of the country schools under his supervision, Supt. D. W. Colby, of Skowhegan, Me., says in his annual report:

"The problem of the rural schools is ever with us. Conditions will always favor the village or city schools, but it will always require the greatest effort to give the rural schools their due. To my mind the greatest factor in their success or failure is the teacher. Our rural schools will never exert the influence they should in the community in which they are established and give to the children gathered in them that broad, thorough and helpful training that should be theirs until we are able to place in them, and keep there, trained teachers who can bring to them enthusiasm and interest. The custom of turning loose upon the rural schools young and unexperienced girls to practice on them is pernicious. The wages paid in these schools should be high enough to attract young normal graduates, at least, and the results would be so immediate that no one would question the expense."

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Recent Progress in School Administration.

By Wm. Geo. Bruce, Before the Department of School Administration, N. E. A.,
Asbury Park, N. J., July 5th, 1905.

The history of school administration consists in a succession of tendencies and departures which have found their permanent acceptance or rejection, as common judgment or popular opinion may have dictated.

There has been a constant effort to secure through the aid of legislation such laws as would be likely to ensure abler, cleaner and more representative school boards. These efforts have from time to time been crowned with success and have resulted in better school buildings, a more serviceable equipment, more practical courses of study, a higher standard of teaching ability—and in brief, better schools. Thus, the administrative side of American popular education has experienced the same degree of progress that has characterized the pedagogical side.

As a system of administration, modern school boards represent the achievements of many minds having grown from the simple to the complex in order to adapt themselves to the various and varying demands of education and the exigencies of time and locality.

The past year may be set down as a notable one in the field of school administration. Tendencies which have existed for several years have found full expression in the adoption of new measures and laws. These tendencies may be enumerated in the following order:

First, A clearer division between the business and professional functions in school administrative labors.

Second, The recognition of school superintendency labors as a distinctive profession requiring natural and acquired attributes.

Third, The increasing demand for professionally trained teachers and a more adequate compensation for their services.

Fourth, The acceptance of expert service in the adoption of school house plans and state regulation of sanitary requirements for new school buildings.

Ohio's New School Code.

Perhaps no state in the Union has ever had to grapple with the subject of school administration on such a large scale as came within the lot of the state of Ohio within the past year.

When the Supreme Court of that state wiped out every school board in the state, as being unconstitutional, it devolved upon the legislature to frame a law which would ensure uniformity and at the same time embody the more progressive ideas on the subject of school administration.

The task, considering that the press, the pulpit, the schoolmaster and the school board member, to say nothing of the numberless faddists and reformers, all took a hand in framing model school board laws, became an enormous one. The difficult problem, however, was solved and the following contains the principal provisions of the law:

The maximum school levy is fixed at 12 mills.

Villages, special districts and townships shall have a board of five, elected at large. A sub-director, with only suggestive power is provided for the townships. In villages the board appoints the teachers upon the recommendation of the superintendent.

Cities are divided into two classes.

The 66 cities with a population of less than 50,000 are organized with a board of not less than three or more than seven elected at large.

In the five large cities, Cleveland, Cincinnati, Columbus, Toledo and Dayton, the elastic or option plan will prevail.

This provides for a board of not less than two or more than seven elected at large and not less than two or more than 30 elected by sub-districts. This permits Cincinnati to retain its large board of 32 and Cleveland can have a board of seven, as now, but at least two must be elected by the sub-districts.

The city districts are empowered to employ a business director elected by the board. This is permissive. The superintendent is elected for five years. He appoints the teachers, subject to confirmation by the board. No teacher can be elected for a longer term than four years. The superintendent discharges, but teachers may appeal to the board.

In cities below 50,000 the present board decides the number of members for the future board. This decision stands until the next federal census. In the five larger cities the present boards decide the number and also what proportion shall be elected at large and how many from wards.

This means, for instance, that the present Columbus board of education decides whether there shall be a small board of five, three elected at large and two by sub-districts, a board of 12 by sub-districts and two at large, or go the full limit and elect 30 by sub-districts and seven at large.

The city of Philadelphia which has a general, and a number of so-called sectional school boards has modified its school law. The change brings into life three distinctive administrative departments which are headed by a superintendent of instruction, a superintendent of buildings and a superintendent of supplies. The several boards retain their legislative powers and are less dependent upon other municipal branches of government in matters of public expenditures.

The New Milwaukee System.

In the field of school administration, as applied to the larger cities, the change made at Milwaukee from an appointive to an elective school board system, is a most interesting one in that it discards a most unique system is substituted and substitutes one which embodies the most modern ideas on the subject.

The old system provided for a bi-partisan school commission of four members appointed by the Mayor. This commission in turn appointed the school board, one member from each of the twenty-three wards of the city.

The new system not only reduces the membership of the board from twenty-three to twelve, but enlarges its powers to an unusual degree. Its tenure of office is lengthened to six years. It will control the architecture and construction of school buildings as well as the selection of sites. Besides this it will be no longer subject to ultimatum of a City Council or a board of public works in financial matters. It will have the authority to inaugurate bond issues. It will control the employment and dismissal of a thousand people and the expenditure of a million dollars.

Here is food for speculation! The transformation from an appointive to an elective system, from a large to a small membership, from short to long tenure, from limited to enlarged authority suggests the apprehensive question of success or failure?

The answer is found in the experience of other cities. Public sentiment alone decides. If the progressive citizenship of a community takes the lead in the creation of a board of education the ward heeler gracefully retires and success is achieved. If the same lack of popular discrimination between candidate and candidate, which now obtains in the selection of the average city council or county board, should prevail, failure will be recorded. It then remains to be demonstrated whether the citizenship of Milwaukee is equal to an intensely modern system of school administration.

Radical Changes.

The school board must be assured of a higher type of membership than that found in other local legislative bodies in order to attain the largest measure of usefulness. It deals with the practical and theoretical machinery governing popular education, and every duty which it performs must be in the interest of the child—the future citizen.

Therefore, no elective school board system, however, well planned as to membership, scope and authority, can become efficient unless founded upon a wholesome public sentiment. It all reduces itself to the question of men rather than method and the public must exercise discriminating care in selecting only men who are unselfish, high minded and competent.

This becomes doubly essential where the membership of a board has been reduced in numbers, where the powers have been enlarged and the tenure of office lengthened. The smaller bodies can remain undisturbedly corrupt for a longer period than can larger bodies. The larger bodies are usually less exclusive, more cumbersome of action, but owing to their demonstrative and loquacious character their labors are more vividly exposed to the public eye.

It therefore logically follows that the merchant and the manufacturer, the professional man and the mechanic, the class of men who have hitherto paid little or no attention to local elective contests must take the lead in the selection of a school board that shall be a positive force in the direction of popular education.

I may also point to a bad piece of legislation. The board of education of Wilmington, Delaware, under a new law, is now composed of thirteen members (instead of 24 as heretofore) one member from each ward is elected for a term of four years and the president is elected at large. This makes the board a partisan one in every particular.

There was no legislation affecting the function of the superintendent. Salary, term of office, duties and authority are to be defined by the board.

The financial side of the school administration is lodged with the City Council; the board must have all its bills approved by Councils before they can be paid by the City Treasurer. The board also has power to appoint a business manager to take charge of the business side of the schools.

My discussion would be incomplete did I not touch at least upon the gratifying impetus which has been to the selection of better school house plans. This subject will be discussed by two of the greatest schoolhouse experts of the country at to-morrow's meeting.

(Concluded on page 18.)

THE AMERICAN School Board Journal

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THE ASBURY PARK MEETING.

The meeting at Asbury Park was both a success and a disappointment.

It was a success in that it provided a strong program on which were many prominent men and women, as well as many whose names have become familiar to us through their frequent recurrence upon former programs. Superintendent Maxwell presided at the sessions, including the business meeting, Thursday noon, with distinction, dignity and firmness.

It was a disappointment in that the enrollment fell far short of the Boston meeting—farther behind the Boston meeting than the Los Angeles meeting falls behind the meeting just closed, which seems likely to show an enrollment around twenty thousand. This is disappointing because the Fourth of July session and President Roosevelt's address had been relied on to draw enough holiday makers from New York and the great centers of population adjacent, to make an enrollment of thirty-five or forty thousand. The proportion of school people at Asbury Park impressed the observer as being much smaller than at Boston.

It would seem that about all the spectacular and specialty features had now been used, and that future executive committees must go back to the standard educational features for their programs.

The meeting was held at Asbury Park which is a part of New York's summer back veranda. The president of the Association was from New York, New York people filled one-fourth of all the places on the program, and New York was relied upon to provide the members to make a record-breaking enrollment. The teachers of New York and vicinity did well, some seven or eight thousand of them taking out advance memberships; but the general populace failed to respond to the attractions offered.

The weather was good and the thousands of visitors found comfort on the verandas of the town's hotels and boarding houses—in the surf, and, in the evening, on the "Board Walk." The cool sea breeze was practically always in evidence. There are, too, many charming drives along the shore, and these were freely used.

The election of Dr. Nathan C. Schaeffer, for many years at the head of the public school system of Pennsylvania, is a most satisfactory choice, and a distinct gain for the influence of the independent membership of the Association in the management of its affairs. His

opponent, Prof. Charles D. McIver of the State Normal School at Greensborough, N. C., an excellent man, received such support as "the old crowd" were able to give him, in addition to that which naturally came to him from his friends and neighbors of the South. It is unfortunate that some of Mr. McIver's supporters urged him "because he is a Southern man." He is too good a man to have such a plea made for him. When his time comes to lead the N. E. A. it should be because he is a good man, suitable for this educational service, not because he is from the South—any more than because he might be from New England or from California. It is unfortunate, too, that some of his supporters attempted to solidify the support of all the Southern states for him, on the plea that "the South must be for a Southern man." No more unfortunate plea could be used to secure support for any man who might be president of a national association; and no more unfortunate alignment could be brought into the affairs of the N.E.A.

The new plan for incorporation seems all right. Some minor changes would have improved it, and many would have liked to see the old name retained. But the nasty fight made on the report of the directors by a part of the Illinois contingent, and made so evidently for the purpose of creating trouble, and trying to discredit men like Supt. Soldan, of St. Louis, whom all the members have delighted to honor, that nothing remained but to stand by the report, small imperfections and all, and adopt it, and this was done by an overwhelming majority. President Maxwell's handling of this meeting, though he erred in some minor rulings, was firm and dignified and such as the occasion demanded.

San Francisco seemed practically the unanimous choice for next year. A very large proportion of the membership would have liked to see this year's meeting held on the coast.

Among the notable features of the program were the discussions of manual training for all schools, and that upon teachers' salaries. The section meetings, since President Eliot's rejuvenation of them at Boston, have been stronger than ever, and now furnish many of the best features of the meetings. The School Administration and Music sections were notable examples of this at Asbury Park.

There has seldom, if ever, been a meeting where the press reports were so meager and showed so little correct knowledge of the Association, its doings and its affairs, as the reports given in the New York papers. The members are more than ever inclined to believe the statement that no papers in the United States are so provincial—so little informed and so little interested in anything outside of Manhattan Island.

SCHOOL BOARD ECONOMY.

Every now and then the cry of economy is raised by zealous school board members in some section of the country. For the most part these men are actuated by the highest

motives in the interest of the school patrons and the taxpayers.

Economizing in school expenditures should be done carefully. Policies of retrenchment should not be adopted without due consideration. The old saying, that a penny saved is a penny earned, is very true. On the other hand, a small economy without careful consideration, is apt to cause serious loss in the future.

The country school board is perhaps more deserving of criticism on the score of false economy than is the city board. Expenditures by rural or village boards are very often more like personal than public expenditures. The close personal contact in which the board and the patrons stand makes the scrutiny of official acts much sharper and the criticism of a conservative or penurious element much harsher. Teachers are too often, therefore employed not according to fitness, but because they will take the school at a low monthly wage. Buildings are cheaply constructed without due regard for lighting and sanitation. Proper school aids, such as maps and other supplies, are withheld. Repairs are delayed. The results of these economies are readily recognized. As is the teacher, so is the school.

The city school board, while less liable to criticism is not altogether free from practicing petty economies. How often are not important items in the construction of a school omitted for the sake of economy? Sometimes false economy crops out in the adoption of cheap text-books, cheap in their subject matter and binding. The schools then suffer not only educationally, but the parents also lose since the books wear out much quicker than higher priced and more substantially bound books.

And so we might mention a score of petty economies that in reality cause losses.

School boards should be circumspect and slow in establishing policies. Money spent for education is well spent and the American people always cheerfully give for education. Substantially built school houses with all the modern improvements in arrangement, heating, lighting and sanitation are investments that will pay for themselves in the health of the children and the superior work of the schools.

The introduction of the extensions in school work demanded by our present day conditions, manual training, domestic science, kindergartens, vacation and evening schools, produce results that more than counterbalance the extra expenditures made for them. Undue lavishness in school expenditures must likewise be guarded against. The school board that foolishly squanders its funds is more deserving of criticism than the board that is too economical. In school expenditures, however, as in anything else, there is a golden mean and good common sense must be the guide with the welfare of the child ever in sight.

D. A. Thornburg has resigned his position at Grinnell, Ia., to become superintendent of school at Everett, Wash.



President F. lege

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President Roosevelt attends college class reunions.



A typical book-trust driven school board.



The New York census shows a school population of 400,000.



Student and President at the recent Harvard Class reunion.

EDUCATIONAL JOURNALISM.

The educational journals of the land do not, as a whole, wield the power and influence in the field of education that is commonly supposed they should. Unlike the class journals in other lines of activity, the average school journal is a meagre affair and counts for little in either operating against gross abuses, or in promoting laudable tendencies for the cause which it represents.

This condition must be regarded as a remarkable one; more particularly when it is remembered that no constituency, which one might select in a country like our own, is given to more study and reading than the school public, and would therefore seemingly offer a profitable field for progressive educational journalism.

The fact that the educational journals in their collective capacity are neither powerful nor profitable may be assigned to several causes. The field may primarily be a meagre one from a financial point of view and therefore fail to attract strong and brainy men. Or, it may be held that a form of amateurism afflicts this interest and neutralizes the efforts of those who possess the necessary experience and mental fibre.

Whatever the weakness may be, or wherever

it may lie, efficiency and honesty are the elements of strength in every business enterprise. The average educational journal lacks the dual elements of scholarship and business ability and that virtue, backed by courage, which gives tone and character to a publication. It has therefore been found that crankisms rather than ability and progress characterize many of the educational journals of the day. They are conducted upon narrow lines and serve as the personal organs of the publisher or editor, to laud friends and to punish enemies.

An Illinois publisher of an educational journal recently sold out his publication to an Eastern syndicate and bowed himself out of a field of work in which he had been active for many years.

His retirement calls to mind the species of publishers which concerns itself largely with the small affairs of a schoolmasters' life. It propogates a journalism which does not confine itself to the futherance of important tendencies in the educational life and effort of the land. It dabbles with the minor failings of the schoolmaster rather than with the things that make for a good school.

The publisher in question excited interest for his journal by "lambasting" some educa-

tor every week. This brought him subscribers, advertisers and a competence for old age. But his labors were destructive rather than constructive. A narrow vision and a bad liver were turned into profit. He passes out of the service unmourned and without achievement except the satisfaction of having caused much pain and no happiness.

The day has arrived when the educational press of the country may become powerful. Abuses and shortcomings have crept in the educational conditions of the country which must be corrected. No medium is better equipped to make the correction than an honest, capable and fearless press.

The talk of providing school accommodations for New York's ever increasing and shifting population is truly enormous. The semi-annual report of Mr. C. B. J. Snyder, Supt. of School Buildings shows that seventy-seven buildings are in course of construction. Of these, seventy-two are elementary schools and five are high schools. The cost to the city on general contracts is \$13,750,401 when completed. 86,550 additional sittings for elementary pupils and 10,610 high school pupils will be furnished.

Supt. A. W. Furr has resigned his position at Ottawa, Ill., to take up a similar one at Jacksonville, Ill.

H. G. Wightman, formerly superintendent of schools, North Plainfield, N. J., has been elected superintendent of school at Altoona, Pa.



A candidate for post-graduate honors, as pictured by Life.



The newer lessons in History and Geography.



A prospective vacancy on the list of teachers next September.



School Architecture

FRAME AND BRICK STRUCTURES VARYING
COST FROM \$500 TO \$18,000.



It is the purpose of the writer to show two school buildings, one having a capacity of eight rooms, being in substantial brick construction, and the other a one-room frame building suited for rural districts.

An Eight-Room Building.

Design No. 805 is a brick, eight-room school with stone foundation. The basement is equipped with boys' and girls' play rooms and toilet rooms and a large furnace and fuel room. The windows are all so located that the light will come from the back and left, which is the most hygienic. The rooms are all of the same size and well proportioned and the halls are supplied with wire partitions for coats and hats. The wire partitions are preferable, as they afford a better air circulation and also give the teacher a commanding view of the entire hall. A very good feature is the teachers' room off from the upper hall, which can also be used as the principal's office. The entire building is artistically finished, having an exceptionally fine entrance. The estimated cost of this building is \$18,000.

One-Room School.

Design No. 100 is a one-room school house very suitable for a district school where the scarcity of pupils would not warrant a large outlay of money. The main room is 25 by 34 feet, and would comfortably seat about fifty pupils. There are two distinct wardrobes, which will prevent confusion, as the boys will pass out one side while the girls go out the other. It is a frame building with a stone of brick foundation and would cost about \$500, not including furniture.

Interior Finish in School Houses.

An important feature of interior finish in school houses is the tinting of the walls, which can be so finished as to teach the children a love for the beautiful and also add to the attractiveness of the room. If the colors do not harmonize with the trim or each other it were better the wall was untinted. The colors in the room should be varied, the ceiling always having a lighter tint than the walls and frieze. Dark greens and cold tints should never be used, as the green subdues the light and cold tints are irritating to the eyes and are liable to cause nervousness. If the wood-work is painted it should blend with the color on the wall, which should be a light, warm tint, depending partly on the location and light effect of the room.

The window shades should be of the best quality and mounted on spring rollers, and be of a color that will harmonize with the wall and wood-work, and hung at point M on the transom rail; glass in transoms marked R should be Florentine glass. A



By G. W. Ashby, Schoolhouse Architect,
Chicago, Ill.

picture rail should extend around every room at point P, and the walls should be decorated with suitable pictures, furnished through the enterprise of the teacher and students, if possible. The floors should be of hard dry maple or beech

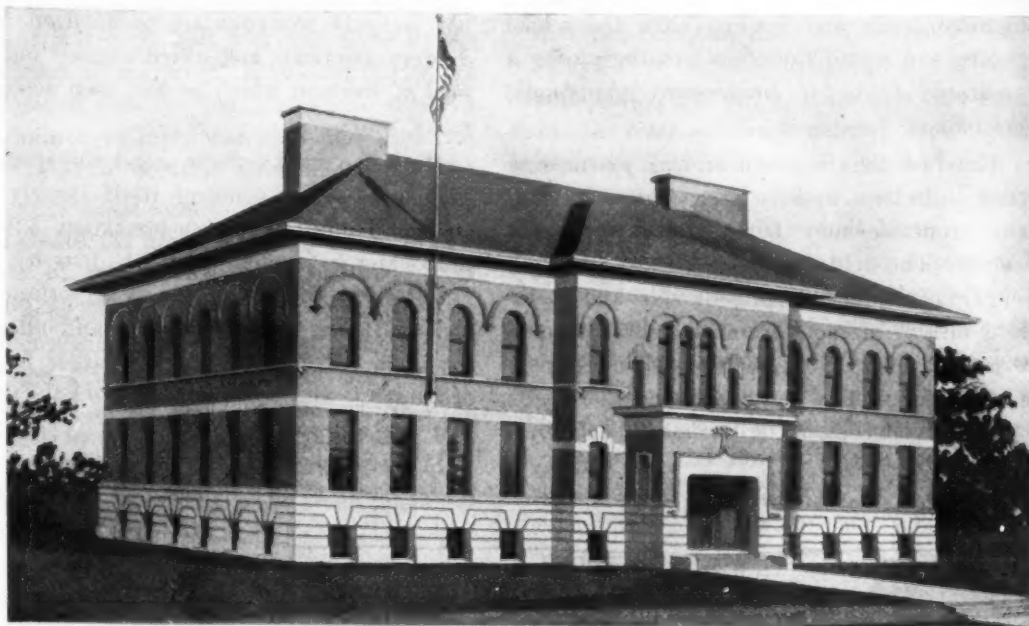
wood; the flooring not to exceed two inches in width and should be well laid.

The blackboards marked BB should be of natural slate and should extend across the front and right-hand wall of the school room, care being taken that all joints in the slate board be smoothed off; chalk rail should not be over two feet two inches from the floor in any low grade room. The blackboard rail should be put on with screws so that the broken slate can be easily removed.

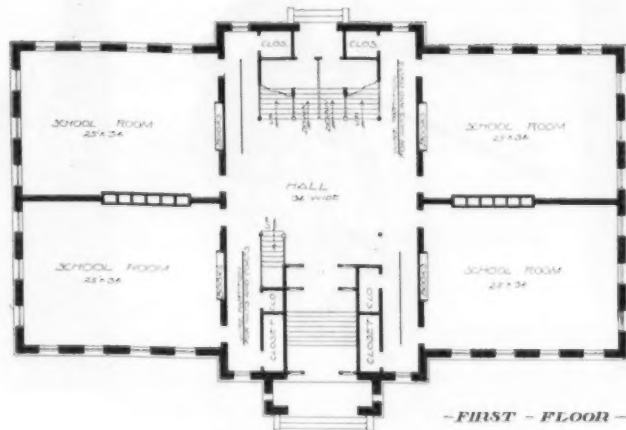
Each school room should have a bookcase, as shown at N, and a teacher's locker, as shown at F. A drinking fountain should be placed in each room at D, near door to hall.

Where low pressure steam is used the warm and cold fresh air, which is controlled by dampers, enters the room at W, while the foul air is taken out at V.

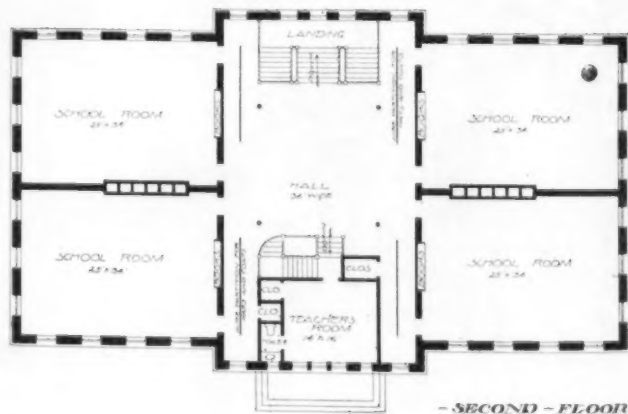
Chicago. Dwight H. Perkins, the father of the small park system of Chicago, has been appointed architect of the board of education at an annual salary of \$6,000.



Design No. 805. MODEL EIGHT-ROOM SCHOOLHOUSE.



Design No. 805. FLOOR PLANS, MODEL EIGHT-ROOM SCHOOLHOUSE.



G. W. Ashby, Architect, Chicago, Ill.

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EXPENSIVE CHEAPNESS.

Some schools cost less than others, because the contractors get "stuck" in the contracts for figuring too low. Some others are built too cheap, for proved economy in the long run, and half the cost of "repairs" spent in ten years after completion, added to the original cost, would have produced a first-class building, in which the repair account would be at a minimum. Another reason for original low cost is that the average architect does not know what a schoolhouse problem is—has only a rudimentary knowledge of school administration, sanitation, heating, ventilation and equipment and omits to provide for essential things (which gives a false idea of "original" cost) which have to be provided for after completion and charged to "repair account."

The average "original" cost of schoolhouses in Boston, during the past fifteen years or so has been approximately 19 cents per cubic foot as an average of second class and fire proof buildings.

Recent fire-proof primary, grammar and high school buildings here have cost about 24 cents per cubic foot.

I made a note, this week of an out of town grammar building, second class brick, which figures out at 13 cents per cubic foot, but that certainly represents a cheap building and no economy in 10 years.

I don't know of any class of buildings about which there is more irresponsible talk and writing, or more inefficiency displayed in knowledge of the economies of construction and suitable finish and equipment — than school buildings — or where in the original ideas of "economy" to cut down the original cost, makes for excessive expenditure for subsequent overhauling and repairs. The cost is affected by local markets and conditions, in United States, east and west.

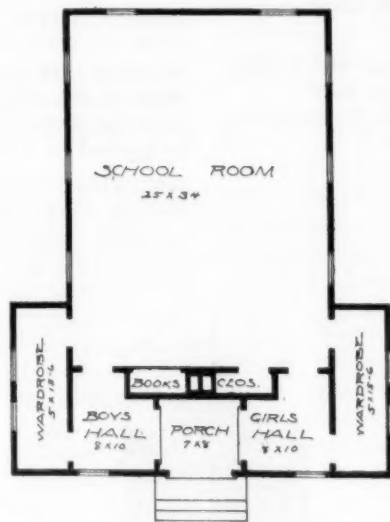
Second class brick, primary and grammar schools should cost, in the east approximately 20 cents per cubic foot, the same fire-proof 15 per cent more and high schools 10 per cent extra, for a properly equipped building — and you may set it down as a general principle, that any building which costs less is not properly constructed,

finished and equipped—and means large "repairs" and final abandonment as unfit for use.

A properly constructed, finished and equipped school house, should be good for 40 years, without overhauling or excessive repairs, for the principles of planning and construction are such that an architect, who knows the school problem should be able to do so "if let alone" by the "powers that be" if he is not let alone, then he is not to be blamed for results, though he generally has to take such blames, for com-

mittees come and go, while the architect's reputation goes on.—John Lyman Faxon, Schoolhouse Architect, Boston, Mass.

Altoona, Pa. The school board has fixed the rates of tuition for the next year. Non-resident pupils in the primary grades will pay \$1.50 per month instead of \$1.25, as heretofore. The fee in the intermediate grades was fixed at \$1.75 per month, and in the grammar grades \$2.25. The rate for the High School was raised from \$3.25 to \$4 per month.

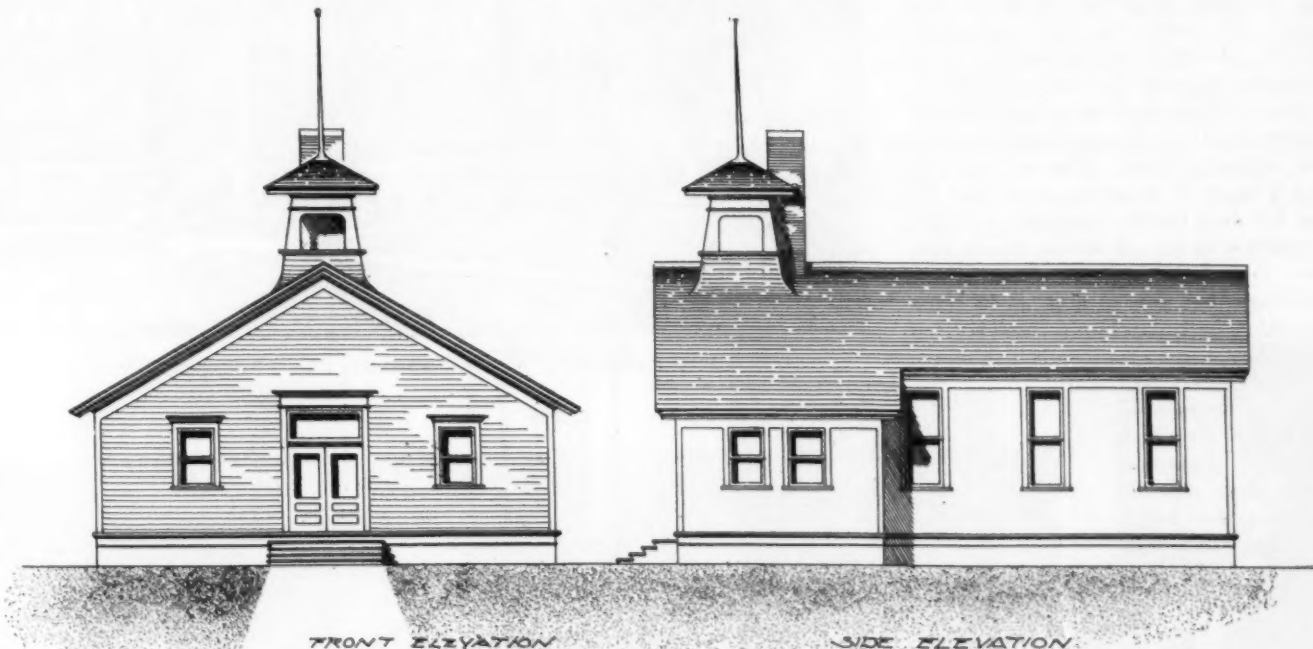


FLOOR PLAN OF A ONE ROOM SCHOOL HOUSE

Classroom dimensions 25 by 34 feet. Frame building with stone or brick foundation. Capacity 50 pupils. Estimated cost \$500.00, exclusive of furniture.



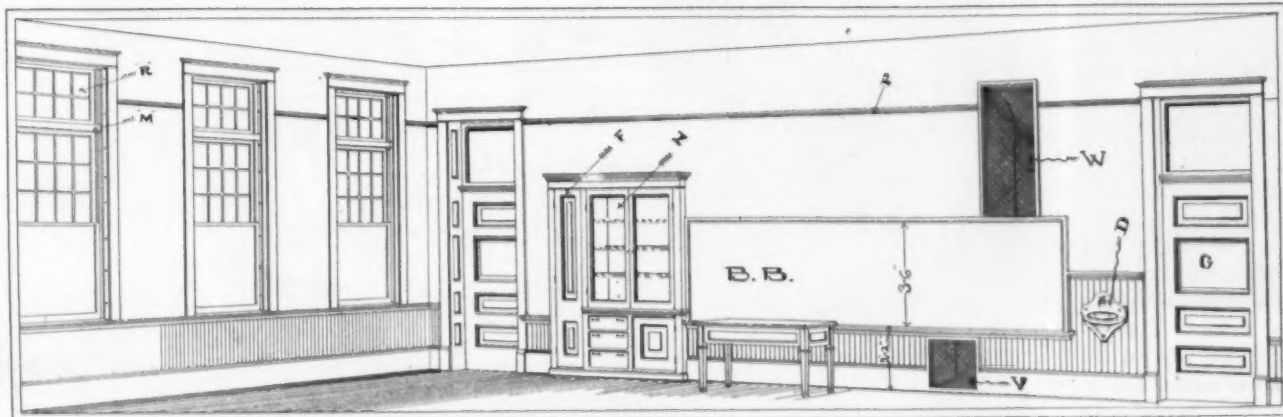
EXTERIOR VIEW OF A ONE ROOM SCHOOL HOUSE.



ELEVATIONS OF A ONE ROOM SCHOOL HOUSE

DESIGN 100
FRAME 37'x45'

G. W. ASHBY, ARCHT.



DETAIL OF INTERIOR FINISH FOR CLASSROOMS.

G. W. Ashby, Architect, Chicago, Ill.

COST OF SCHOOL BUILDINGS.

We estimate the average cost per cubic foot of 8, 12, 16 and 20 room school building at the present time from 12 to 14 cents. We have just completed one—a grammar school building with 12 class rooms and 4 recitation rooms and an assembly hall for about 12 cents. This includes heating and plumbing but not architects' commission. The cost per foot naturally decreases somewhat as the building is enlarged.

The cost per cubic foot of a high school would be increased very slightly by the value of the laboratory fittings and special apparatus. We have figured the cost of school houses on the "pupil basis" but found it so unsatisfactory and misleading that we abandoned the practice. Hartwell, Richardson & Driver, Architects, Boston, Mass.

Experience in Colorado.

I have built one 8-room school building that cost 9½ cents per cubic foot; and one that cost 14 cents; and one 12-room building that cost 11½ cents per cubic foot; one 16-room building that cost 11½ cents per cubic foot; one 20-room building that cost 10½ cents, and one 20-room building that cost 13 cents per cubic foot.

These figures were obtained after the buildings were completed and the cost was known, and this is the only way that the cost of a building per cubic foot can be accurately ascertained. I should say that if I was going to estimate the approximate cost of an ordinary good modern 8-room school building I would calculate 12½ cents, and about the same for one with more rooms. However this is not the way I estimate the cost of a school building. I take out the quantities of the different materials, labor, etc., and apply to them the current prices. This is the only way I know of to arrive at or near the cost before a building is built or before a contract is let. I desire to say further that I have built some school buildings that run as high as 18 cents per cubic foot, depending, however, on the kind of material, embellishments, etc., required. I have let contract for "The Irving School," plans of which were recently sent you for publication, and this building will cost 12½ cents per cubic foot. This building has seven large school rooms, two large recitation rooms, two teachers' rooms and janitor's quarters. — G. W. Roe, Pueblo, Colo.

Fire Proof 24c per cubic foot.

In estimating the cost of school buildings by cubic feet, we find it is necessary to take into consideration the style of construction and finish. The ordinary ward or graded school building, containing only school rooms and a

few small rooms, such as teacher's room with toilet, principal's room with toilet, supply and janitor's rooms, with separate cloak rooms for each class room, high basement finished for play or manual training, mechanical indirect heating and ventilating, exterior brick trimmed with stone, slate roof, metal lath on ceilings, deadened floor, toilet rooms in basement, with walls lined with enameled brick; such buildings we are building for 10 cents per cubic foot.

If the building is to be used for high schools, with assembly room laboratories, etc. and to accommodate less than 400 pupils, 11 cents per cubic foot.

If to accommodate more than 400 pupils, and under 800, 14 cents per cubic foot.

A building of the latter class, fire-proof, 24 cents per cubic foot.

We find these amounts vary little in different localities, sometimes less and sometimes more, but we are building now the different classes mentioned at less cost per cubic foot than the figures above given (not in Philadelphia.)—Seymour Davis, School House Architect, Philadelphia, Pa.

Bellaire, Mich. County School Commissioner Coldren is endeavoring to secure uniformity of the text-books used in the schools of Antrim county. Hardly two schools have the same books and even in some schools several kinds of books are used. It is therefore impossible to work out a course of study for the county and to obtain anything like uniform results. The work of the county institute is even hampered since the method used in any given book cannot be applied by the teachers.



ST. LEO'S PAROCHIAL SCHOOL, ASHLEY, PA. Ballinger & Perrot, Architects, Philadelphia, Pa.



THE NEW EAST BOSTON HIGH SCHOOL. John Lyman Faxon, Architect, Boston, Mass. See page 28.



Our School ion.

By Will tendent of Price, \$1.5 New York.

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Our Schools, Their Administration and Supervision.

By William Estabrook Chancellor, Superintendent of Schools, Paterson, N. J. 434 pages. Price, \$1.50. D. C. Heath & Company, Boston, New York, Chicago.

If school boards are at all expected to maintain a library devoted to school administrative topics this volume deserves a conspicuous place in it. It is really a rare book.

The author not only deals intelligently with the general plans and purposes of a modern school system, but discusses every phase of school administrative labors. The true mission of a school system is constantly kept in view and proper administrative methods are pointed out. An analytical study of the average school board is made, its strength, its weakness and peculiarities are pointed out. The relation that one factor bears to the other is clearly demonstrated. The function of each is made clear.

Practical illustrations and suggestions are presented in abundance, covering the financial as well as the general utilitarian side of proceedings, etc.

No bibliography on school administration is complete without this compact and complete work on the subject.

Government and the Citizen.

By Roscoe Lewis Ashley, Author of "The American Federal State" and "American Government." Illustrated. 245 pages. Price, 70 cents. The Macmillan Company, New York, Boston, Chicago. George Brumder Book Department, Milwaukee, Wis.

This work on civil government differs with other similar books in that it deals with the subjects with which the average student is in more familiar touch or may familiarize himself

with more readily. While no essential phases of government are omitted, nor the underlying principles of government ignored, the practical side is brought into strong relief.

Dramatic First Reader.

By Allen M. Cyr, Author of the Cyr Readers. 12mo., cloth, 104 pages. Illustrated. List price, 30 cents; mailing price, 35 cents. Ginn & Company, Boston, New York, Chicago.

The Cyr readers enjoy a good reputation, well deserved and well earned. The latest addition to the series is a novelty, and while decided novelties are not to be looked for in school book literature, this one deserves attention.

The lessons are presented in dialogue form, employing child language and child subjects. Each lesson discusses an attractive subject and one which appeals to the child mind. The novelty possesses merit.

Aprilwetter.

Edited with Notes and Vocabulary by Laurence Fossler, Professor of Germanic Languages and Literatures, University of Nebraska. 144 pages. D. C. Heath & Company, New York, Boston, Chicago.

This small book is another desirable addition to the Heath's Modern Language Series, which now includes nearly all the delightful German classics. The student of German will find Aprilwetter (April Weather) an instructive and entertaining story.

The Principles of Art Education.

A Philosophical, Aesthetical and Psychological Discussion of Art Education. By Hugo Münsterberg, Professor of Psychology in Harvard University. 114 pages. The Prang Educational Company, New York, Boston, Chicago.

Prof. Hugo Münsterberg, who has interested the American people in his critical essays on American life, customs and manners, has here turned his attention to the subject of art education. Perhaps, more correctly speaking, his dissertations on Americanisms were incidental and his discussions on psychology are his life's work. Thus, the present volume is in line with the specialty to which he is devoting all his en-

ergies, and is well worthy of the man and in keeping with his former achievements.

In discussing the principles of art education, the author covers the philosophical, aesthetical and psychological phases in a scholarly manner.

Poems for the Study of Language.

Prescribed in the Course of Study for the Common Schools of Illinois. With suggestions for study by Chestine Gowdy, Teacher of Grammar in the Illinois State Normal University. 210 pages. Price, paper, 30 cents; linen, 40 cents. Houghton, Mifflin & Company, Boston, New York, Chicago.

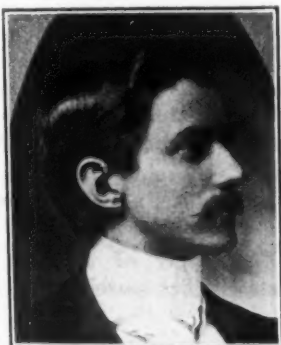
When the course of language study in the common schools of Illinois was adopted some years ago, it was found that many of the poems were scarcely accessible to the average school teacher. Some were hard to find and others could only be obtained in expensive editions. A demand, naturally arose for an inexpensive book containing all the poems described and the present book is the result of that demand.

The value of the book has been greatly enhanced by suggestions for study by Miss Gowdy, who is the author of the course. The book will prove most useful not only to the teachers of Illinois, but also in other states where a similar course is followed.

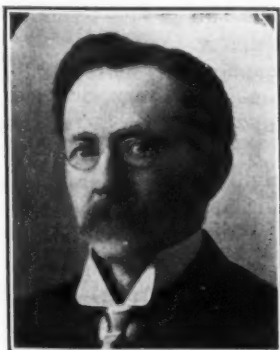
Columbus and Magellan.

By Thomas Bonaventure Lawler, Author of the "Essentials of American History." 12mo., cloth, 151 pages. Illustrated. List price, 40 cents; mailing price, 45 cents. Published by Ginn & Company, Boston, New York, Chicago.

The story of European beginnings on the western hemisphere are told, and the two great discoverers play the leading parts. Beginning with a short chapter on the Portuguese explorers, the author goes on to describe the voyages of Columbus and his explorations. An account of the discovery of Porto Rico, the finding of the Pacific, and the conquest of New Mexico serves as an introduction to the story of Magellan's voyage and the settlement of the Philippine islands.



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Colfax.



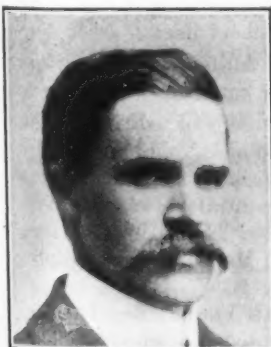
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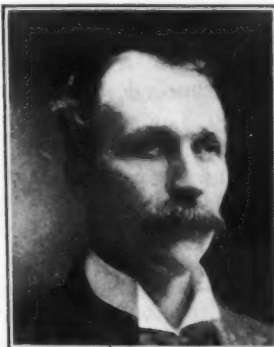
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Principal State Normal,
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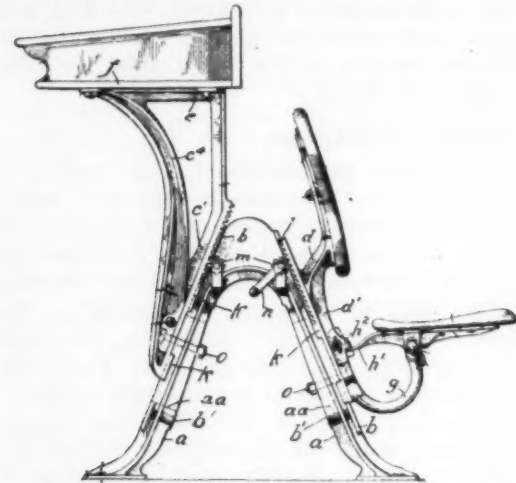


Recent School Patents.

SCHOOL-DESK OR THE LIKE. Paul J. Mueller, Charlottenburg, Germany.

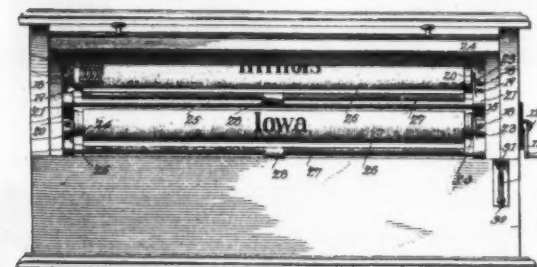
A composite rail composed of angle-iron sections placed back to back, each one of the sections facing in one direction overlapping the ends of two of the sections facing in the other direction, in combination with a tilting foot comprising a bifurcated portion adapted to straddle the overlapping ends of any two sections, and a set-screw mounted in one leg of said bifurcated portion.

SCHOOL-DESK. James W. Johnston, Chicago, Illinois.



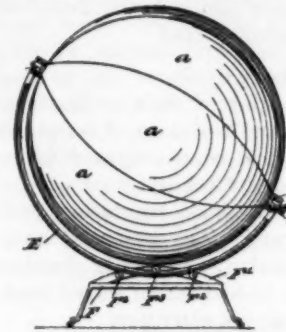
The combination with a longitudinally-slotted floor member, of a desk-holder on said member provided with fixed desk-holding element, means to adjust said holder, and removable brackets thereon, terminating in the plane of the desk-bottom. The combination with an inclined bifurcated seat-bracket, an inclined floor member thereto and said bracket provided at the ends of said members with hinge elements, of a tailed seat-support having counterpart hinge elements provided with a single central tailpiece, means for connecting said hinge elements, and a stop for said tail.

MAP-CABINET. George W. Barnett, Chicago, Illinois.



In a device of the class described, a shaft mounted for rotation and having frames spaced apart thereon and provided with spaced circumferential lateral lugs, roller-brackets detachably connected to said lugs, rollers carried by the brackets, stop-bars extending between said frames and supported in said brackets, maps or like articles connected by one end to said rollers and having lateral stop members at their other ends for engagement with said stop-bars when the rollers are wound up, means for rotating said shaft and means for holding said shaft and its attachments stationary at certain predetermined points.

GLOBE. Marsden Manson and Harris De Haven Connick, San Francisco, Cal.



The combination with a globe comprising a number of independent sections, secured together, pole-pieces, and an axis, of a frame in which said axis is journaled and a stand on which said frame is movable.

Supplies and Equipment.

Milwaukee, Wis. The contract for supplying school crayons has been awarded to E. W. A. Kowles, Chicago.

Illinois. The new state law which requires that school boards purchase desks and school supplies from the state's prisons is proving most unpopular. Manufacturers and dealers in Chicago and other parts of the state are quoting figures below those of the prison authorities, and the school boards are not very reluctant to pay the higher prices. The Chicago board disregarded the law altogether recently by purchasing 45,000 desks from the A. H. Andrews Company.

The McConnell School Supply Co., are putting on the market a new language series, with 50 pages, 24x36 inches. This chart is carefully arranged and will be appreciated by the teachers. They are selling it at a very low price.

The Joseph Dixon Crucible Co. was well represented at the Asbury Park N. E. A. Meeting. George Howard Reed had a fine exhibit which attracted many visitors. Mrs. Reed who is much interested in her husband's work was by his side and added materially to the entertainment of the school people who visited the Dixon headquarters. Mr. W. E. Huston also assisted Mr. Reed.

The Milton Bradley Company of Springfield, Mass., and the Thomas Charles Company of Chicago were both represented. Mr. Thomas Charles, the veteran school supply man was on hand, as well as the secretary of his company, Mr. Wm. T. Dix. W. W. Tapley, the manager of the Milton Bradley Co. was also in evidence as were a number of the Company's representatives. Among these were Allen Evans, Pittsburgh; E. O. Clark, W. L. Cummings, Boston; H. M. Crist, New York; E. L. Cummings, Lyons, N. Y.; L. L. Naramore, Philadelphia; Mr. Van Norstrand, San Francisco.

The Holden Patent Book Cover Company was represented by Mr. Miles C. Holden. He distributed some unique advertising matter which attracted a good deal of attention. Mr. G. W. Holden the head of the company who is always a familiar figure at N. E. A. Meetings was absent owing to the fact that he had undertaken a trip to Alaska.

Joliet, Ill. The contract for supplies to be used during the coming school year has been awarded to F. W. Henley.

Findlay, Ohio. Contract for school supplies has been awarded the following local dealers: C. F. Jackson, Henry Bohrer, D. C. Connell.

East Columbus, Ind. The contract for blackboards for the new school has been awarded to E. M. Morrow, Crawfordsville; for desks to Thomas H. Scott, Indianapolis, Ind.

Elgin, Ill. Physical maps have been purchased from Rand, McNally & Co., Chicago.

Sioux City, Iowa. The board has awarded contracts for school supplies to the Omaha School Supply Co., and J. M. Pinckney Co.; for pens to the Esterbrook Steel Pen Co.

(Continued on subsequent page.)



Spokane, Wash. The state board of education has adopted the following books for teachers' reading circle work: Harrison's Study of Child Nature; Shaeffer's Thinking and Learning to Think; Sabin's Common Sense Didactics. For Eighth grade work the board adopted "Agriculture for Beginners," "David Cooperfield," "The Western United States," and "The Story of the Japanese."

York, Pa. The following books have been adopted by the board of school controllers: Hall's New Century Primer of Hygiene, Hall's Intermediate Physiology, Krohn's Graded Lessons in Hygiene. For High School use the following books have been selected: Hart's Essentials in American History, Blaisdell's Physiology, Remsen & Randall's Experiments, Macauley's Life of Johnson, Irving's Life of Goldsmith.

Austin, Minn. The school board has selected the Morse medium slant writing system to replace the vertical. Smith's arithmetics and Woodley's language books have also been adopted.

New Orleans, La. The city board of education has petitioned the state board that the continued use of Lockwood's Lessons in English and Halleck's History of English Literature be permitted in lieu of the books recently adopted by the state.

Celina, Ohio. The following books have been adopted for use during the next five years: McGuffey's primer, speller and reader; Spencer's writing system; McMaster's history; Overton's physiology; Metcalf's language and grammar; Irish's orthography; Ray's arithmetic; White's arithmetic; Blaisdell's literature and First Steps in Agriculture.

St. Louis, Mo. The school board has contracted for the following supplementary readers: The Overall Boys, the Early Cave Men, Rand, McNally & Co.; In Mythland, Educational Publishing Co.; Chatty Readings in Elementary Science, Longmans, Green & Co.; First Book in Hygiene, D. Appleton & Co.; The Man Without a Country, Little, Brown & Co.

Allenton, Ia. Blaisdell's physiology. Blackmar's economics and Maxwell's English adopted by the board.

Bridgeton, N. J. A supply of Maxwell's American and English classics purchased for supplementary use.

Washington, D. C. The board of education has adopted Gardner, Kittridge & Arnold's "Elements of English Composition," and West's "Ancient World."

Elizabeth, N. J. The following books have been adopted for High School use:

Jordan & Kellogg's Animal Studies and Lehrbuch der Duetschen Sprache.

St. Louis, Mo. The three book edition of the Southworth-Stone arithmetic, published by Benj. H. Sanborn & Co., has been adopted to replace Southworth's Essentials of Arithmetic.

Lansing, Mich. Revised Educational Music System adopted. Tarr & McMurry's geography continued in the schools.

Altoona, Pa. Woodley's Foundation Lessons in English Grammar adopted for school use.

North Adams, Mass. Barnes' Complete Typewriting Instructor, published by the A. J. Barnes Publishing Co., adopted in the High School.

(Concluded on subsequent page.)

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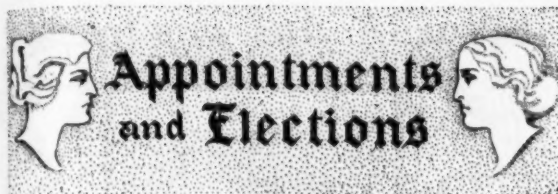
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Whitaker—Oscar Noel, President; George Delbridge, Secretary; John Braden McAdoo, Solicitor; L. Ed. Rott, Treasurer.

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Yorkville—William Dreher, President; Philip Plappert, Secretary; F. P. Bernard, Treasurer.

RHODE ISLAND.

Harrisville—Dr. John R. Luce, Chairman; Leroy G. Staples, Clerk.

SOUTH DAKOTA.

Dell Rapids—G. A. Ubine, President; Ritchie Simpson, Vice-President; Oluf Hegge, Clerk.

Madison—F. R. Van Slyke, President; F. D. Mitchell, Vice-President; H. H. Holdridge, Secretary.

Mitchell—F. H. Winsor, President; O. T. Litchfield, Vice-President; T. M. Wallace, Clerk.

Sioux Falls—James W. Parker, President; W. B. Fuller, Vice-President; B. H. ReQua, Clerk.

TENNESSEE.

South Pittsburg—W. H. Wilson, President; W. H. Malsom, Secretary.

TEXAS.

Cleburne—S. C. Padelford, President; John L. Cleveland, Vice-President; Thomas H. Osborn, Secretary; J. C. Blakeney, Treasurer.

El Paso—Capt. Beall, President; Dr. Howard Thompson, Vice-President; J. H. Harker, Secretary; C. W. Fassett, Treasurer.

Galveston—I. Lovenberg, President; Edwin Bruce, Secretary.



A PUBLISHER CLASS POET.

The Harvard Class '80 Reunion held in June and attended by President Roosevelt included aside from the presence of the executive head of the nation, several interesting features. One of these was a poem by Mr. James L. Pennypacker, manager of the Christopher, Sower Co. of Philadelphia. Mr. Pennypacker graduated at Harvard with Theodore Roosevelt in 1880.

The class reunion included a banquet at the Hotel Somerset, Boston, at which the Pennypacker poem was read. It is reproduced herewith:

TO THE CLASS OF 1880.

The child hath grown a man;
From the West and North and East
We come to the Birthday Feast,
To lay with pride at our Eighty's feet
The gifts of our love complete.
Bringing the word and the old-time song
Filled with the joy and the pain that throng
The memories that span
The bountiful years since our hero's life began.

Joy and Pain:—
Sweet flowers blending the sweet of the sun and rain
And mold and dew and frost of human life;
Flowers that bloom by the path of the soul
And soften its strife
And tenderly lure it and lead it on to the goal.

Joy of Youth,
And manly striving for beauty and truth;
Joy of comrades—man's tenderest love
For his friend, more silent and shy to prove
Than love of maid,
Love unbetrayed
That liveth and groweth alike in sun and shade.

Joy of Learning, that sweeps
Down from the mountain steep
Full and strong through the dreary plain
And with widening movement keeps
Out on the crowding main—
Warm gulf-stream of the centuries
That awakens the life of the seas.

Joy of achievement—the glow
Of the steadfast endeavor that seeth by night and by day,
The goal of a worthy purpose far, far away,
And rest will not know,
But giveth the best
Of its life to pursuit of the quest.
Achievement of something for man and for God,
Be it preaching the Sacred Word 'gainst crime or form,
Or breaking the clod,
Or training a little child,
Or blazing a path for progress 'mid forests wild,
Or guiding a nation safely through calm and through storm.

And the pain:—
The pain of the baffled hopes we would live again;



JAS. L. PENNYPACKER,
Manager Christopher Sower Co., Philadelphia, Pa.

The pain of the broken boyish dream of good,
The unsatisfied thirst
For something above and beyond us not understood—
The bubbles that burst.

The pain of our Dead:—
Of those whose spirits, once bound close with ours,
Now glow in the stars and flowers.
Our dead! Our dead!
Of each who, dear to us all,
Hath passed from our ken and call
Into the pathless, fathomless space ahead;
Life of our life, and heart of our heart,
Dear brother, wherever thou art,
We know thee near, and the tears in our dimmed eyes start.

So Joy and Pain,
Not cherished in vain,
Garlanded flowers of love for our hero's brow—
Our beautiful hero, grown to manhood now,
So straight and strong,
And a song, and again from our straining hearts a song
That shall tell our faith, and our hope for the coming years

And stifle the fears.
We salute thee, Elghty, and with pride thy fair form scan—
Behold, thou art grown a man.

MORRIS HAS A ROOSTER.

John F. L. Morris enjoys the distinction of being a public spirited citizen and at the same time of domestic tastes and instincts. He represents Ginn & Company in Pennsylvania and resides in the city of Philadelphia.

His public spirit may be evinced from the fact that he represents his ward in the city council, and domestic spirit in that he keeps on his home premises dogs, cats and a brood of chickens.

The brood of chickens includes a fine rooster who has the habit of waking the sleepy Philadelphians of his neighborhood at 4 A. M. He crows loud and lustily, which in the good Quaker City is considered a public disturbance of the peace.

Recently a neighbor protested and carried the matter into the public press. He was discussed editorily, reportorially and rooster-orally.

But Morris calmly issued a public manifesto in which he discussed the rights of a rooster from the standpoint of a Christian, an alderman and a bookman. Extracts from the document give evidence of the cheerful philosophy which Morris ground out:

"That rooster sets an example worthy of emulation. Remember that old adage:

'Early to bed, and early to rise,
Makes a man healthy, wealthy and wise.'

"Let us not forget that this big busy world was not made for man alone. Let us be calm, kind and considerate. Let us do all the good we can, whenever we can, and wherever we can. Let us so live that when the time comes to sleep the sleep that knows no waking, we shall sleep the sleep of the just. Then, and not until then, will the cock-a-doodle-doo be heard no more.

"Long live the rooster!"

ALEXANDER'S NEW HAT.

A meeting of the school book agents and representatives was held at the Hotel Norvelle, Jackson, Mississippi recently for the purpose of discussing a subject of considerable importance to the community. After a lengthy deliberation behind closed doors lasting for an hour or more it was decided to purchase a new hat for Mr. C. T. Alexander, manager of the hostelry, and accordingly a purchasing committee was named and a collection taken up for the purpose.

Five good silver dollars, school book money, were secured, and, without waiting to see whether the coin was "tainted" the committee hid itself away to a clothing store and picked out the headgear for Mr. Alexander. On returning to the hotel they secured possession of his old and shiny derby, packed it in a large dry goods box, and shipped it by freight to Mrs. Alexander, who is now in Dallas, Texas.

The Norvelle manager is pardonably proud of his new sky-piece, for it is said to be the only actual evidence of philanthropy ever given by the school book concerns in Mississippi.



H. H. HILTON,
Of Ginn & Co., Chicago, who has been made a Trustee of Dartmouth College.

The token of affection, however, which now protects Alexander's head from the rays of the sun and at the same time ornaments his person, was not given because he is a hotel manager but because he is an ex-bookman.

Mr. Charles T. Alexander was for twelve years connected with Maynard, Merrill & Co., representing that firm in Texas. As a bookman and a schoolmaster he was simply a prince. Everybody loved him for his many qualities of head and heart, and any bookman who ever knew the man would gladly do honor to the ex-colleague.

(Concluded on subsequent page.)

MENTAL ACCURACY

Greatly Improved by Leaving Off Coffee.

The manager of an extensive creamery in Wis. states that while a regular coffee drinker, he found it injurious to his health and a hindrance to the performance of his business duties.

"I cannot say," he continues, "that I ever used coffee to excess, but I know that it did me harm, especially during the past few years.

"It impaired my digestion, gave me a distressing sense of fullness in the region of the stomach, causing a most painful and disquieting palpitation of the heart, and what is worse, it muddled my mental faculties so as to seriously injure my business efficiency.

"I concluded, about 8 months ago, that something would have to be done. I quit the use of the old kind of coffee, short off, and began to drink Postum Food Coffee. The cook didn't make it right at first—she didn't boil it long enough, I did not find it palatable and quit using it and went back to the old kind of coffee and to the stomach trouble again. Then my wife took the matter in hand, and by following the directions on the box, faithfully, she had me drinking Postum for several days before I knew it. When I happened to remark that I was feeling much better than I had for a long time, she told me that I had been drinking Postum, and that accounted for it. Now we have no other kind of coffee on our table.

"My digestion has been perfectly restored, and with this improvement has come relief from the oppressive sense of fullness and palpitation of the heart that used to bother me so, and I note such a gain in mental strength and acuteness that I can attend to my office work with ease and pleasure and without making the mistakes that were so annoying to me while I was using the old kind of coffee.

"Postum Food Coffee is the greatest table drink of the times, in my humble estimation." Name given by Postum Co., Battle Creek, Mich. There's a reason.



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Answer:

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Questions and Answers.



Under this heading all ordinary questions on school administrative problems are answered. If an immediate reply by letter is requested a stamped, self-addressed envelope should be enclosed. If the case requires special investigation a reply should not be looked for in less than a week's time. Unless specially stipulated the answer will appear in this column.

State Superintendents.

Question: Will you kindly name the present list of State Superintendents? R. B. Cousins, Austin, Texas.

Answer: I. W. Hill, Montgomery, Ala.; John E. Hinemon, Little Rock, Ark.; R. L. Long, Phoenix, Ariz.; Thos. J. Kirk, Sacramento, Cal.; Miss Katherine L. Craig, Denver, Col.; C. D. Hine, New Britain, Conn.; W. B. Warman, Jr., Dover, Del.; Wm. M. Holloway, Tallahassee, Fla.; W. B. Merritt, Atlanta, Ga.; Miss Mae Scott, Boise City, Idaho; Alfred Bayless, Springfield, Ill.; John D. Benedict, Muskogee, I. T.; F. A. Cotton, Indianapolis, Ind.; J. F. Riggs, Des Moines, Iowa; I. L. Dayhoff, Topeka, Kas.; J. H. Fuqua, Frankfort, Ky.; J. V. Calhoun, Baton Rouge, La.; W. W. Stetson, Augusta, Me.; Martin Bates Stephens, Baltimore, Md.; George H. Martin, Boston, Mass.; P. H. Kelley, Lansing, Mich.; J. W. Olsen, St. Paul, Minn.; Henry L. Whitfield, Jackson, Miss.; W. T. Carrington, Jefferson City, Mo.; W. E. Harmon, Helena, Mont.; J. L. McBrien, Lincoln, Neb.; Orvis Ring, Carson City, Nev.; Chas. J. Baxter, Trenton, N. J.; Henry C. Morrison, Concord, N. H.; Hiram Hadley, Santa Fe, N. Mex.; A. S. Draper, Albany, N. Y.; J. Y. Joyner, Raleigh, N. C.; W. L. Stockwell, Bismarck, N. D.; Edmond A. Jones, Columbus, Ohio; L. W. Baxter, Guthrie, Okla.; J. H. Ackerman, Salem, Ore.; Nathan C. Schaeffer, Harrisburg, Pa.; Walter E. Ranger, Providence, R. I.; O. B. Martin, Columbia, S. C.; Geo. W. Nash, Pierre, S. D.; Seymour A. Mynders, Jackson, Tenn.; R. B. Cousins, Austin, Tex.; A. C. Nelson, Ogden, Utah; Jos. W. Southall, Richmond, Va.; R. B. Bryan, Olympia, Wash.; Thos. C. Miller, Charleston, W. Va.; Chas. P. Cary, Madison, Wis.; Thomas T. Tyuan, Cheyenne, Wyo.

Temperature Regulation.

Question: Can you inform me where I may find the "Johnson Heating System," of which we have heard most favorable reports? B. L. Paul, Anniston, Ala.

Answer: Your inquiry undoubtedly relates to the Johnson System of Temperature Regulation. This system is manufactured and installed by the Johnson Service Company in Milwaukee, Wisconsin, but having offices in Boston, New York, Philadelphia, Pittsburg and other large cities. By writing to any one of these cities you will receive their printed matter giving detailed information, etc. This system will control the heat at a given temperature and is applicable to either hot air, hot water or steam heating systems.

Hot Water Heating for Schools.

Question: Will you please tell me whether there are any public school buildings heated by hot water, and whether it is at all practical? A. F. Waters, Superintendent of Schools, Georgetown, Ohio.

Answer: Hot water heating is not deemed practical for school houses or in any other class

of buildings where ventilation is required. The fan system of ventilation mechanically operated will here have to be installed.

There are some school houses so heated that their number is not larger nor are such heating systems of long standing.

Progressive heating engineers do not consider the hot water system in connection with school house work. For homes it is most desirable because of the evenness of temperature secured for day and night.

In school houses, however, where heat is required during five hours of the day only, it is not practical or economical. A steam heating system will respond more promptly when warmth is required, and if equipped with proper regulating device will give an even temperature during the hours desired. Besides, the cost of installing a steam heating system is considerable less than a hot water system.

Harris Banquet Photograph.

Question: Kindly let me know at what price I can procure a copy of the large banquet group, taken at the Plankinton House, Milwaukee, during the Superintendents' meeting last February. J. R. King, Lincoln, Neb.

Answer: Copies of the flashlight photograph of the banquet tendered Dr. Wm. T. Harris, during the meeting of the Department of Superintendent may be obtained from S. L. Stein, photographer, Milwaukee, Wis. Unmounted pictures will be sent for \$2.00, postpaid; mounted pictures for \$2.50, express charges not paid.

School Board Accounting.

Question: Can you inform me how or where I can obtain a modern up-to-date system of keeping school board accounts? J. H. Garside, Chairman Finance Committee, Atchison, Kas.

Answer: Most boards in the large cities have special systems of accounting and special forms adapted to their needs. These have usually been worked out by expert accountants in accordance with the laws under which the board operates. Owing to this fact they are not always adaptable to other school districts.

We would suggest that your board employ a firm of accountants to devise a complete system for you. This will be the safest, the most practical and in the end the cheapest method. Accountants who make a specialty of such work can be found in almost any commercial center.

If the employment of such a firm is not feasible, we would suggest that you write to the secretaries of school boards in half a dozen cities the size of Atchison and ask them for the systems used in their cities. No doubt they will gladly comply with your request.

On page 350 of the proceedings of the National Educational Association for 1899 you will find a form of report of school expenditures and receipts which will prove suggestive for the arrangement of a system and the classification of accounts.

SCHOOL EXPENDITURES.

Under direction of the Bureau of Education of the United States, an investigation has been made of the comparative expenditures for education in the 100 largest cities. Dr. William T. Harris has just made public the statistics gathered. The average expenditure for every \$1,000 of wealth in the cities examined is \$3.83. The variations from this amount are considerable and equally wide differences occur in the total expenditures.

New York City expends \$19.89 for all departments for every \$1,000 of property, and of this sum \$3.81 goes for the public schools. Chicago, however, expends for schools \$4.38 out of \$11.88 for all departments, Cleveland expends \$3.19 out of \$12.23, and Cincinnati \$3.14 out of \$17.37.

Newark, N. J., which expends \$24.04 for all departments, pays \$5.23 for schools, while Buffalo, N. Y., pays \$4.79 per \$1,000 out of \$24.20 expended for all departments.

Camden, N. J., has the distinction of paying the most for school purposes, appropriating \$8.45 for every \$1,000 of property. This is a little more than one-third of the total expenditures. Philadelphia pays for the maintenance and operation of all its departments \$16.59 per \$1,000 of property, but of this sum only \$2.88 is for schools. St. Louis pays for its schools \$2.57 out of a total expenditure for city departments of \$14.71, and Boston pays only \$2.64 out of \$19.00.

Of the large cities the smallest expenditure is made by San Francisco, \$1.69, but the total expenditures for the departments in that city are small, amounting to \$8.55 for every \$1,000 of property.

Chicago, Ill. The cost of educational supplies furnished in the common school amounted last year to \$64,609.54 or \$278. per pupil. This did not include the cost of books, but only paper, chalk, pens, pencils, etc., Manual Training, household arts and kindergarten supplies were not included.

Superintendent E. G. Cooley has requested teachers and principals to suggest methods for improving the distribution and use of supplies and for a reduction of the cost in schools where the average cost has been exceeded.

Detroit, Mich. The board of education has begun condemnation proceedings to secure property for a new normal school. It is the first time in the history of the city that this has been found necessary. The owners of the land refused to sell at a reasonable price.

BUSINESS WOMEN.

A Lunch Fit for a King.

An active and successful young lady tells her food experience:

"Some three years ago I suffered from nervous prostration, induced by continuous brain strain and improper food, added to a great grief.

"I was ordered to give up my work, as there was great danger of my mind failing me altogether. My stomach was in bad condition (nervous dyspepsia, I think now) and when Grape Nuts food was recommended to me, I had no faith in it. However, I tried it, and soon found a marked improvement in my condition as the result. I had been troubled with deathly faint spells, and had been compelled to use a stimulant to revive me. I found, however, that by eating Grape-Nuts at such times I was relieved as satisfactorily as by the use of stimulants, and suffered no bad effects, which was a great gain. As to my other troubles—nervous prostration, dyspepsia, etc.—the Grape-Nuts diet soon cured them.

"I wish especially to call the attention of office girls to the great benefit I derived from the use of Grape-Nuts as a noon luncheon. I was thoroughly tired of cheap restaurants and ordinary lunches, and so made the experiment of taking a package of Grape-Nuts with me, and then slipping out at noon and getting a nickel's worth of sweet cream to add to it. I found that this simple dish, finished off with an apple, peach, orange, or a bunch of grapes made a lunch fit for a king, and one that agreed with me perfectly.

"I throve so on my Grape-Nuts diet that I did not have to give up my work at all, and in the two years have had only four lost days charged up against me.

"Let me add that your suggestions in the little book, 'Road to Wellville,' are, in my opinion, invaluable, especially to women." Name given by Postum Co., Battle Creek, Mich.

"The Road to Wellville" in each package.

RECENT PROGRESS IN SCHOOL ADMINISTRATION.

(Concluded from page 7.)

Suffice it for me to say that school boards have during the past year recognized the importance not only of preparing a fixed program for the construction of a new building but have also called in impartial expert advice on the selection of plans. Such experts as Mr. C. B. J. Snyder, architect and superintendent of school buildings for the board of education of Greater New York, Mr. Wm. B. Ittner, architect for the school board of St. Louis, Mo., and others have been called to several cities to select school house plans.

Experience has demonstrated that this method is certain to secure school house plans that are practical and economical, utilitarian in character and economical in cost.

The law just enacted by the legislature of Pennsylvania establishes strict rules to be applied in the construction of new school buildings in the matter of heating, ventilation and sanitation. The state of New York has enacted a similar law.

Speaking prospectively, it is safe to say that the progress which has been manifested during the past year will continue during the next with increasing intensity. The new laws enacted may not prove perfect in operation, but a readiness to eliminate desirable improvements will tend to bring American school administrative labors to their highest state of efficiency.

APPOINTMENTS AND ELECTIONS.

(Concluded from page 15.)

Greenville—W. H. Bush, Chairman; Dr. E. T. Speakes, Secretary.

Houston—Dr. S. C. Red, President; Henry J. Dannenbaum, Vice-President; R. N. Little, Secretary; J. C. Freeman, Treasurer.

San Antonio—Geo. W. Brackenridge, President; F. A. Chapa, Secretary; Ferd. Herff, Jr., Treasurer.

Sherman—J. H. Wood, President; M. L. Kelly, Secretary; C. J. Hayden, Treasurer.

Smithville—C. R. Gaskill, President; John M. Penick, Secretary.

Temple—W. E. Hall, President; W. B. Blaine, Vice-President; J. A. Wilkerson, Secretary; F. F. Downs, Treasurer.

Velasco—W. D. Graham, President; W. L. Harding, Secretary; C. C. Johnson, Treasurer.

WISCONSIN.

Chippewa Falls—S. B. Nimmons, President; M. S. Bailey, Vice-President; P. T. Favell, Secretary.

Tomahaw—J. T. Sheean, President; C. A. Gesell, Vice-President.

Watertown—Jas. W. Moore, President; Dr. C. R. Feld, Clerk.

SUPPLIES AND FURNITURE.

Salineville, Ohio. The school board has decided to purchase all books used in the public schools and to sell them to the pupils at cost. Indigent children are to be supplied without charge.

The motive of the board is to save parents the profit which now goes to the booksellers.

Bridgeton, N. J. The school board has ordered a supply of bookcovers manufactured by the Holden Patent Book Cover Co., Springfield, Mass.

St. Louis, Mo. The school board has purchased a large quantity of Prang platinettes for school use from the Prang Educational Co.

Wellsville, Ohio. Teachers' desks and pupils' desks purchased from the American School Furniture Co.

Baltimore, Md. The school board has awarded the contracts for supplying books to the schools to W. J. C. Dulany Company, Munn & Co., and the Sadler-Rowe Company.

Toledo, O. The board has contracted for 580 gross of Eagle pencils and Dixon pencils; 700 boxes dustless crayons, Dunsecomb & Co.; 400 boxes soft charcoal and 2,160 boxes of paint from Devoe & Reynolds Co.; 100 pairs of scissors, Milton Bradley Company.

A peculiar error crept into the advertisement of the O. D. Case Company in our June number in that the cut of a school desk not belonging to this company was inserted. This error was made in the composing room, and the Case Company is in no wise to blame. In fact, the managers were very much distressed in finding the cut of their own school desk omitted and that of another firm inserted in their own advertisement. This correction is made in justice to all parties concerned.

At the meeting of the Department of School Administration of the N. E. A. the question of deafening for school-house construction was raised. Some school officials wanted to know what kind of deafening was considered most serviceable. Seymour Davis, the Philadelphia school house architect, recommended the Cabot Quilt, manufactured by Samuel Cabot of Boston.

Ironwood, Mich. The school board has purchased 250 gross Esterbrook's pens.

Topeka, Kans. The school board has accepted the bid of R. R. Nelson to build 25 manual training benches at \$25.15 each.

Birmingham, Ala. The contract for desks and opera chairs in the new Barker, South Highlands and High School buildings has been awarded to the American School Furniture Co., Benj. M. Jacobs & Bros., and Loveman, Joseph & Loeb. Local dealers were awarded contracts for supplying teachers' desks, tables, chairs, etc., for these buildings.

Williamsport, Pa. The Phillips School Supply Company has been awarded the contract for next year's supplies.

Memphis, Tenn. The contract for 2,250 desks and 15,000 square feet of natural slate awarded to the Superior Manufacturing Co., Muskegon, Mich.

York, Pa. The contract for physical and chemical supplies for the High School has been awarded to Williams, Browne & Earle, Philadelphia.

Racine, Wis. The board of education has awarded contracts for supplies:

Theme paper, drawing paper, "Boro-Tale" crayons, erasers, etc., to M. H. E. Beckley, Chicago.

Ink, charcoal crayons, baskets, etc., A. Flanagan Co.

Esterbrook's steel pens, A. C. Nott & Sons.

Chester, Pa. Contract for furnishing all school supplies during the coming school year awarded to a local firm, Volkhardt Brothers.

The Buffalo Desk and Table Co. of Buffalo, N. Y., is bringing out a new plus and minus desk. The factory is located at Blasdel a suburb of Buffalo. Mr. J. B. Wall is the manager of the new enterprise.

FAMOUS MEN

of Greece, Rome and Middle Ages

These Biographies of Famous Men are historical stories and are told in a way to attract and hold the child's interest. They have been prepared to meet the recommendations of the Committee of Ten and the Committee of Fifteen, and the practice of the best schools, and are preparatory for the later formal study of history. Three things are notable concerning the books:—

1. The simple style of the language, which adapts them to the third and fourth reader grades.

2. These stories are arranged in chronological order and are connected so that, together, they make complete histories of the times.

3. The illustrations present the most complete collection of photographs of historical paintings ever published.

By using these books as supplemental readers and making the stories the basis for conversation and composition work the pupils will be able, by the time they reach United States History, to recognize its proper historic relation to the world's history.

UNIVERSITY PUBLISHING CO.

27-29 WEST 23rd ST., NEW YORK

New York City. Contracts for furniture for public school 63, have been awarded to the Richmond School Furniture Company and the American School Furniture Company for blackboards to L. E. Atherton.

Syracuse, N. Y. Contracts have been awarded as follows: For drawing books, Prang Educational Co.; lead pencils, Earl Thompson & Co.; kindergarten supplies, E. Steiger & Co.; text books, N. Y. Foote & Co.

Lock Haven, Pa. The board has purchased 5,500 book covers, from the Holden Patent Book Cover Co., Springfield, Mass.

Omaha, Neb. Three tubular boilers for use in the new school annex purchased from Lewis & Kitchen.

The board of education of Washington, D. C., will use Boro-Chalk in their schools exclusively during the coming year and have arranged with Charles G. Scott & Co., of that city to supply them.

SPENCERIAN STEEL PENS.

The STANDARD AMERICAN BRAND
FOR OVER FIFTY YEARS

Have been subjected to the test of years and are recognized for all purposes *The Best*.

SPENCERIAN PEN CO.
349 Broadway, New York.



EXPA

Lockers for in any form rangement For schools no question panded met of metal, an be pried posed to the man without

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EXPANDED METAL LOCKERS.

Lockers for school house use can be put up in any form desired, and also after any arrangement which circumstances may demand. For schools, gymnasiums and clubs, there is no question as to the desirability of the expanded metal locker. It is made of one sheet of metal, and is not like woven wire, which can be pried open. It is sanitary and secure, exposed to the eyes, but not to the fingers of the man without the key.

Through necessity this locker has been evolved. The old wooden locker absorbed moisture from damp clothing thrown into it and the unhealthy conditions that arose could never be got rid of. Then, there came the sheet steel locker, which could be renovated, but this renovation did not always take place—hence the sheet metal locker, even though ventilated, was found objectionable to those on the lookout for something at once sanitary and secure.

Then, here came the woven wire locker, which has the advantages of the expanded metal locker, and the disadvantage of one being able to insert a tool, pry the wires apart, abstract the contents of the locker and then restore the wire to its original position.

The expanded metal locker cannot be entered, except by cutting or breaking into, which is even possible with the best burglar-proof construction, by the man who wishes to enter.

The McConnell School Supply Co., of Philadelphia, have arranged to become distributors for Boro-Chalk in Eastern Penn. and New Jersey and have ordered a large supply from the U. S. Crayon Co.

W. G. Johnson & Co., of Pittsburg, Penn., have already secured the adoption of Boro-Chalk in a number of schools both public and private in Western Pennsylvania.

Edward E. Babb & Co., of Boston, are pushing the sale and introduction of Boro-Chalk in the New England States and are meeting with large sales of this new hygienic crayon.

C. A. Bryant & Co., of Dallas, Texas, are advertising and pushing the sale of Boro-Chalk in the South West and say that the articles published in this Journal on crayon adulteration are being copied and commented upon by the papers in that section which makes an increased demand for a pure, hygienic and dustless crayon.

The Clanton & Webb Co., of Atlanta, Ga., have undertaken the representation of Boro-Chalk in Georgia.

Three of the leading School Supply houses of New York City, J. B. Wilson & Co., Peckham Little & Co., and the N. Y. Silicate Slate Co., have each ordered a large stock of Boro-Chalk to meet a large demand in that section.

During month of July the Columbia School

Supply Company sold complete "Crowell" laboratories in the following places: Quakertown, Pa.; Minneapolis, Minn.; Plainfield, N. J.; Elk Point, S. D.; Flandreau, S. D.; Wharton, N. J.; North Judson, Ind.; Emmetsburg, Ia.; Wayne, Pa.; Gloucester City, N. J.; De Smet, S. D.; New Hope, Pa.; San Antonio, Tex.; Woodbury, N. J.; Belton, Tex.; Morristown, N. J.; Haddonfield, N. J.; Lambertville, N. J.; Lipan, Tex.; and Long Pointe, near Montreal, Can., and a great many orders for piece apparatus.

Brookfield, Maine. The following books have been adopted for Linn county: Milne's arithmetic; Reed & Kellogg's language lessons, Maynard, Merrill & Co.; Hunt's speller; Chancellor's history, Silver, Burdett & Co.; Morris history; Baldwin's physiology; Stowell's Essentials of Health, Silver, Burdett & Co.; Natural slant penmanship; Jones' first and second readers, Ginn & Company; Franklin's third, fourth and fifth readers.

The Pioneer School Supply House of New York State, if not of the United States, C. W. Bardeen of Syracuse is now under the management of George F. Bell, formerly superintendent of schools at Racine, Wis. Mr. Bell says that their company have advertised and handled a number of so-called dustless crayons in the past but none of them gave the satisfaction of Boro-Chalk, and consequently they will in the future push that exclusively and they have ordered a large stock of it to meet the demands of their trade.

The Chicago trade is well represented for the distribution of Boro-Chalk. A. C. McClurg & Co., handle it for the book and stationary trade, Sprague Warner & Co., M. T. Hoyt and Marshall Field & Co., for the grocery, hardware and general trade and among the school supply



Quiet School Rooms.

Noise not only annoys the teacher and interferes with schoolwork but it irritates the nerves of the pupils.

A Blount Door Check

prevents the slamming of doors and at the same time does away with the danger of injury to clothes and person.

Made in six sizes to fit any door, outside or inside.

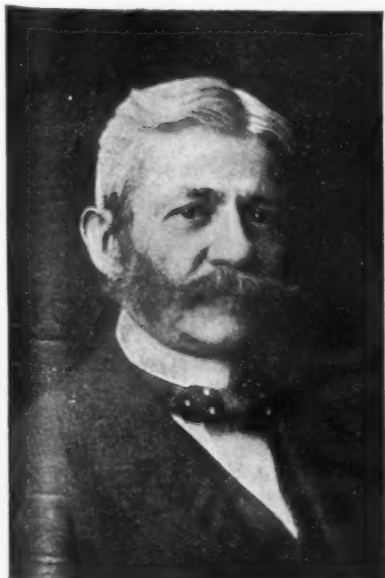
"The Peacemakers"—a charming little story which is printed in a charming way—is sent for the asking.

Yale & Towne Mfg. Co.,
9 MURRAY STREET. NEW YORK.

houses who have already arranged to handle it for their respective customers are the American School Furniture Co., E. W. A. Rowles, M. A. Donohue & Co., and M. H. E. Beckley.

The Old Dominion Paper Co., of Norfolk, Va., have not only introduced Boro-Chalk in the Norfolk public schools but are offering it to nearly every school both public and private in that section.

The Whitaker & Ray Co., of San Francisco, California, have been using Boro-Chalk in their trade for over a year past under their own trade mark "Omega," which our Greek scholars will appreciate. They become so much interested in our series of articles on crayon adulterations that they ordered a thousand copies of the Journal for distributors among their customers.



When the Holden Book Covers are used.

The Textbooks are Made to Last Nearly Twice as Long.
Kept Clean, Neat and Healthful.
Not Dilapidated, Worn Out and Filthy.
Protected from the Daily Handling, Wear and Soiling.
Treated with Greater Respect by the Pupils.
Inventoried at a Greater Value.
Less Liable to Spread Contagious Diseases.

When an outfit of the HOLDEN SELF BINDERS and TRANSPARENT PAPER is supplied each teacher's desk, damages to the bindings and leaves can be repaired as soon as they occur, saving from \$5.00 to \$10.00 a year in each schoolroom, at a cost of but 25 cents.

The Holden System for Preserving Books

SAMPLES ON REQUEST.

Adopted by over 1650 School Boards.

THE HOLDEN PATENT BOOK COVER CO.

G. W. HOLDEN, President.

SPRINGFIELD, MASS.

M. C. HOLDEN, Secretary.

TEXT-BOOK NEWS.

Mississippi. Some of the publishers whose books were recently adopted for five years' use in the public schools of the state, found considerable difficulty in obtaining bonds. The new law, under which the adoptions were made, requires that all contracts must be secured by bonds. These bonds are fixed by the State Text Book Commission at amounts varying from \$10,000 to \$15,000. The law further demands that bonds be signed by five residents of the state, each residing in a different county. To find persons who are willing to sign for such large amounts was the great difficulty experienced by the northern publishers. By indemnifying them with guarantee companies the publishers were able to secure the required bondsmen.

Barberton, Ohio. The school board has introduced the free text book system and will furnish all books except histories and geographies.

Fitzgerald, Ga. Barnes' Typewriting Instructors have been adopted for use in the High School.

School decoration, says a writer in the Chicago Post, means more than the ornamentations of bare walls. It is a force in educating the eye and the brain. The presence of pictures stimulates the imagination, feeds the mind and occupies the thoughts. Artistic compositions widen the horizon and enrich the outlook on life. The child who learns to look on beautiful landscapes through pictures searches for beauty in sky and park and in free nature in the fields. He becomes more observant and more alert; he sees harmony in common things and when not at work his attention may wander to the picturesque and dream side of life, and there will be less room for discontent.

Fort Worth, Tex. The school board has made the following adoptions: Young & Jackson's arithmetics, Wentworth & Hill's geometry, "Life and Health" physiology, and Boynton's civics.

Lebanon, Pa. The school board has adopted text books for use in the High and Grammar Schools: Smith's Primary Arithmetic, Smith's Practical Arithmetic, Montgomery's Beginners' American History, Wentworth's First Steps in Algebra, Wentworth's New School Algebra, Myer's Ancient History, Dresden's German Compositions, New Educational Reader No. 1, Bergen's Elements of Botany.

Ginn & Company record a number of important adoptions of their text books in the state of California. Among many others are the following:

Cheyney's Short History of England in the High Schools at Alameda, Stockton, Fresno, Santa Cruz, San Jose and Los Angeles; Myers' Revised Ancient History in the High Schools at Berkeley and Los Angeles; Shaylor & Shattuck's Medial Writing Books in the following counties: Santa Clara, Napa, Fresno, Kern, Monterey and San Joaquin; Educational Music Course in Santa Clara and Napa counties and in the cities of Stockton and Bakersfield.

The first contract to be signed for the recent state text book adoption in Mississippi was that of Benjamin H. Sanborn & Co. for the Southworth Stone arithmetics. The books were severely criticized in the southern press, it being alleged that they contained examples which were uncomplimentary to the South. Posters were supposed to have been stuck over these sums to hide them from the state board of education. The whole reports were pure fabrications instigated by some unscrupulous persons. A complete retraction was made by the publication in which the story originated.

Spokane, Wash. Mr. A. E. Thomas, clerk of the school board, estimated that the recent change of school books will cost the city approximately \$10,000.

Glasgow, Ky. County Superintendent W. C. Turner has secured a verdict of \$10,000 against the B. F. Johnson Publishing Co., for alleged violation of contract. The Johnson Company agreed to forfeit a bond of \$10,000 to the county if it sold books cheaper than in Barren county. Supt. Turner charged that the books were sold for a less price in South Carolina.

Binghamton, N. Y. The board of education has under consideration the substitution of the slant writing system for the vertical.

Aberdeen, Wash. The text book commission of the city schools has adopted the following text books:

Reading—New Education, book 1, American Book Co.; Graded Literature, books 1 to 8, Maynard, Merrill & Co.

Grammar—Steps in English, books 1 and 2, American Book Co.

Geography—Frye's Elementary, Ginn & Co.; Frye's Advanced, Ginn & Co.

Arithmetic—Smith's Three Book Series; Ginn & Co.

Physiology—New Century Series, American Book Co.

Spelling—Hunt's Progressive, American Book Co.

U. S. History—Thomas, D. C. Heath & Co.

Music—Modern Series, Silver, Burdett & Co.

Drawing—Augsburg Method, Educational Publishing Co.

Penmanship, Civics, Elementary Civics, Elementary History, and all High School Texts will be adopted at a meeting to be held about August 1.

Mississippi. The publishers who secured the adoption of their books for uniform use in Mississippi experienced considerable trouble in getting their contracts signed. Governor Vardaman insisted on changing the clause relative to exchange privileges from one to two years. The publishers declared that this would permit dealers from surrounding states to work off their old stock. They were obliged, however, to acquiesce.

Macomb, Ill. Krohn's physiologies, D. Appleton & Co., adopted.

Williamsport, Pa. The following text book adoptions have been made by the school board: Dyer's Physical Geography, American Book Company; Practical German Grammar, Henry Holt & Co.; Day's Shorthand Manual, Burrows Bros. Co.

Aberdeen, Wash. The board of education has called an election for the introduction of the free text book system. A levy of two mills is asked to cover the first cost.

Plaster Casts

FOR DRAWING AND MODELING.

Reproductions from Antique, Mediaeval and Modern Sculpture Etc.

SCHOOL ROOM DECORATION.

These Art Productions have never failed to receive the highest award when placed in competition with other makes.

C. Hennecke Co.
Formators.

Milwaukee, - Wis.



Send for Catalogue.

The Prang Educational Company claims for its new series of "Text Books of Art Education" the following advantages:

The books are to be read and studied by the pupil.

They are progressive in their arrangement, with text and illustrations adapted to the age and growth of the pupil.

They are beautifully illustrated in black and white and in color, all color work being reproduced by lithography.

They will stimulate at all stages the interest, the activity, and the inventive power of the pupil.

They will lead the pupil through observational to technical, and then to creative work.

They will keep good standards constantly before the pupil and thereby enable him to measure his own efforts.

They contain, under constructive and decorative design, a variety of exercises, making an excellent course in Elementary Manual work.

They aim to develop and fix fundamental principles, and to show their application in the various forms and to the several purposes of graphic expression.

They make design the ultimate purpose of art instruction, and in so clear a manner as to appeal to the intelligence of both pupils and teachers.

They contain not only clear and definite directions for drawing and making in the primary grades, but an account of their vocabulary and style, will make interesting supplementary readers for these grades.

They embody the best experience and the careful conclusions of leading educators and art instructors up to the present time.

MILWAUKEE DUSTLESS BRUSH CO.



Awarded GOLD MEDAL at St. Louis World's Fair 1904

The "World's Only" Dustless Floor Brush
received the only award given for a
dustless sweeping device

WHY?

WRITE AND WE WILL TELL YOU.

Milwaukee Dustless Brush Co., 150 Sycamore St., Milwaukee, Wis.



"Lakeside"

THE PRACTICAL PENCIL
SHARPENER FOR
SCHOOLS AND COLLEGES

*A Perfect Point Quickly Obtained
Does Not Waste the Pencil*

*Descriptive Circular Sent Upon
Application*

EBERHARD FABER
545-547 Pearl St., NEW YORK

Plover, Pa. Benedict's speller and Durrell & Robbin's practical arithmetic adopted.

Gilbert & Brigham's physical geography, published by D. Appleton & Co., has been adopted for the High Schools of Chicago.

East Orange, N. J. The following text books have been placed on the supply list: New Century readers, Jones' readers, Progressive Course in Reading, Famous Men of the Middle Ages.

Jefferson City, Mo. The county board of education for Cole county recently adopted text books for the schools of the county for a period of two years. But few changes were made. The new books are: Steps in English, books 1 and 2; Thomas' elementary and advanced histories of the United States; Hunt's Progressive Course in Spelling, and Conn's introductory and elementary physiologies. Supplementary readers will be adopted at a meeting of the board, to be held August 25.

Ashland, Ohio. The following books have been adopted by the Orange township board for exclusive use in all its schools:

Reading—Progressive Series.

Supplementary Reading—Williams' Choice Literature Series.

Spelling—Progressive Course in Spelling.

Copy Books—Spencer's Practical Writing Series.

Arithmetic—Ray's Modern Series and New Higher.

Language and Grammar—Steps in English Series.

Geographies—Roddie's Series.

History—Barnes' Elementary History, and Eggleston's New Century History.

Physiologies—Overton's Series.

Dictionaries—Webster's Series.

Algebra—Miles' Elements.

Agriculture—Goff and Maynes' Principals. (Seventh and eighth grades.)

Civics—Clark's Government.

Business Forms—Eaton's Business Forms, Customs and Accounts. (Eighth grade.)

Music—Patriotic Songs—Putt.

Young & Jackson's arithmetics, published by D. Appleton & Co., have been recently adopted for Fort Worth, Tex., Macon, Mo., and Saline County, Ill.

Waldo, Ohio. The school board has adopted Jones' readers, Smith's arithmetics, Orton's descriptive speller, Montgomery's histories, and Overton's physiologies. All of these books are published by Ginn & Company.

Rockford, Ill. Newell's chemistry, Prang's Text Books of Art Education, No. 5 and 6, and medium slant writing books adopted.

San Antonio, Tex. Adopted Barnes' Short-hand Instructor for High Schools and Barnes' Complete Typewriting Instructor.

Kansas City, Mo. The following text books have been selected for use in all the schools of Jackson county, outside Kansas City and Independence. Allen & Hawkins' grammars, Eggleston's New Century History of the United States, Mowry's Steps in History, Hunt's Progressive Speller, Normal Review Writing Books.

Geneva, Ohio. "Stepping Stones to Literature" readers adopted for use in the grades.

Freeport, Ill. Holton's primer has been adopted.

Wheeling, W. Va. Montgomery's history, Ginn & Co.; Dodge's geographies, Rand McNally & Co.; and Steps in English, American Book Company, adopted by the School Board.

Keokuk, Ia. Myers' histories, Hunt's complete spellers and Doub's Arithmetical Problems, Part 2 adopted for five years.

SCHOOL TELEPHONES.

Paper No. 3.

A telephone for the school janitor is advantageous in that it makes him easily and quickly accessible from every room; allows him to ascertain through the teacher, without leaving his office in the basement, the condition of temperature and to receive necessary instructions. In case of fire he can give the information instantly to the principal, and remain to fight the first incipient blaze instead of leaving to convey the necessary information. As it will be described in future papers, he can turn in an automatic fire alarm through the telephone system, which notifies automatically every teacher.

The teacher finds the telephone of great assistance in the school room, and have expressed themselves strongly in its favor, where it has been installed. The advantages are in part the same as those derived by the principal; many school matters can be instantly and more intelligently carried to completion than by the usual exchange of long-hand notes. Directions to the janitor, supplies from the store room, arrangements for changing usual rotation of hourly sessions, and other details which will appeal to those who are more intimately acquainted with school work.

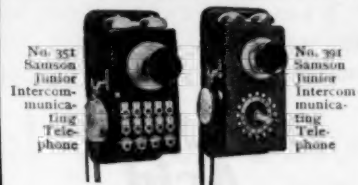
As to the telephone and its relation to the scholar, the first advantage is as it were in isolating each school room, making the school session in each room individual and separate by eliminating ninety per cent. of what is found by every teacher to be the cause of the distraction of mind of both teacher and scholar, which is, as all teachers agree, the entrance and departure of teachers, janitors and scholars bearing messages; or, as it was aptly put by one principal, "the breaking in upon school sessions by such parties has been the cause of habitual inattention on the part of many scholars and the nervous wreck of numberless teachers owing to the necessary energy required to again secure the attention of the scholars lost through the entrance of the individual." The "favored scholar" who bears the message, which has been termed an evil by many educators, is eliminated, as with the telephone, there is no necessity of sending such messages.

The tendency towards shorter sessions is another advocate for the installation of school telephones, as the shorter sessions necessitates that every moment be utilized and no time wasted in such unnecessary work as that of writing and sending long-hand notes.

Everything considered, the telephone is the most advantageous of the many so termed up-to-date devices supplied for school installations. Future papers will be devoted to the explanation of different school telephone systems for both large and small schools. Questions will be answered through the question department and through the editor by sending a self-addressed envelope, on matters pertaining to the particular system described in the current of previous issues.

NOW FOR TELEPHONES

"Tallow Candle"
Is the present method of
SCHOOL COMMUNICATION



School, Lowell, Mass. School, Greenfield, Mass.

ECONOMY OF TIME

Note writing in schools should be as obsolete as ancient stone writing. The tendency towards shorter school sessions necessitates elimination of every unnecessary task of principal, teacher, or scholar. We term the convenience of telephones secondary to the economical advantage.



Telephones for Schoolrooms

UNINTERRUPTION

The telephone avoids nine tenths of all school interruptions. The visits of janitor, scholars with messages, and teachers, are discontinued. Book agents, solicitors, and undesirable visitors receive a courteous but quick dismissal through the ante-room telephone. They get no further.

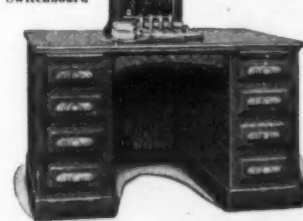
"Annunciophone"
Telephone
Switchboard
Installed in
Grammar Schools,
Minneapolis, Minn.



COST OF INSTALLING

We furnish inexpensive but practical telephone systems adapted to the requirements of small schools, while high schools, normal schools, and colleges are equipped with every economy and convenience known to the telephonic art. Specifications for installing and estimates of cost submitted on receipt of floor blue-prints, with crosses designating location of phones.

"Rotokoll"
Telephone
Switchboard
High School,
Naugatuck, Conn.



PRACTICABILITY

Before inaugurating our school telephone advertising campaign, we conclusively demonstrated by time tests of actual installations, the practicability of our apparatus. Accompanying illustrations show types of our inexpensive, medium, and the most up-to-date systems.

Combined
"Rotokoll"
Telephone
and Bell System
Normal
School,
Chicago, Ill.



DESCRIPTIVE MATTER

"School Telephone" Bulletin, No. 6, carefully illustrating and describing eight distinct systems, and "Telephone Practice" Bulletin, No. 7, illustrating actual installations, mailed on request.

ELECTRIC GAS LIGHTING CO.
TELEPHONE SPECIALISTS

21 years of electrical specialty experience
We have the plant, the men, and the experience
115 Purchase St., Boston, Mass.

BRANCHES:
CHICAGO TORONTO SAN FRANCISCO
930 Monon Bldg. 130 Bay St. 519 Mission St.

Exhaustion

When you are all tired out, feel nervous, sleep does not rest, and your appetite is poor, take

Horsford's Acid Phosphate

It will revive your strength, induce natural sleep, improve appetite, and restore nerve power. It strengthens the entire system, curing the causes of Headache, Indigestion and Debility.

Pamphlet with full information free.
Rumford Chemical Works, Providence, R. I.

School Election.

Trusty Henchman—"We can't afford to nominate Kalamus school director. He hasn't any political record whatever."

Party Manager—"That's all the better. We'll elect him on the infamous record of his predecessor."

First School Director—"Smith is a great orator, isn't he?"

Second School Director—"Yes; but he isn't much of a talker."

Physiology Class.

Teacher—"What is a stimulent?"

Johnnie—"When my father gives me a lamming."



Young Wife: If I hadn't married your son, who is nothing more than a poor schoolmaster, we'd have more of the luxuries of life.

Mother-in-Law: And less of the common unnecessaries of life.

Zimmer im Fach.

Professor der Botanik (einigen eingeladenen Studenten seine Töchter vorstellend): „Hier, meine Herren, stelle ich meine Töchter Rosa, Grifa, Flora und Veronika vor—möchte aber gleich bemerken, daß das Botanisiren in diesen meinen Anlagen streng verboten ist.“

"Now, Johnnie," said the teacher, "if I gave you three oranges and your mother gave you four and your aunt gave you five, how many oranges would you have?"

"I guess I'd have enough," answered small Johnny.

He Knew.

Teacher—Anything is called transparent that can be seen through. Now, Willie, can you give me an example?

Willie—Yes, ma'am. A hole in the fence around the ball park.

Teacher—Johnnie, name a bird that is now extinct.

Johnnie—Our canary. The cat extincted him.

"As to the cause of education," said the Montana man, "I am glad to say that it is flourishing with us."

"Plenty of schools, eh?" was queried.

"Well, one every few miles or so, but I was referring more to the school ma'ams that the schools."

"In what way?"

"Why, we've had fourteen in our district in the last two years, and every one of 'em has got married and is living as happy as a clam. We are behind in some things, but when it comes to the cause of education we give a school ma'am her pick of a dozen candidates, and if she can't find one to suit her as a husband we know she ain't up on 'geography and 'rithmetic and let her go."

Taking the Taint Off Money.

The college president, with an air of assurance, entered the private office of the multimillionaire.

"Ah, how do you do, Mr. President?" said the magnate cordially. "How is your institution getting along? Any stringency in the money line?"

"Well, sir, to tell you the truth, we need an endowment for a chair of—"

"Well, I'll give you enough for a whole set of furniture. Will a million dollars be enough?"

The philanthropist opened his check book, then suddenly shut it, as if struck by another idea.

"Are you sure," he asked, "that no one will raise the cry of 'tainted' money?"

"Well," said the college president, "if you just add another hundred thousand or so to the million, whether it's tainted money or not will make no difference, as we will lose our sense of smell."

"It seems to me," remarked the millionaire, "you have your sense of touch pretty well developed anyway."

"The recollection of quality remains long after the price is forgotten."

SIMMONS HARDWARE CO.

Dixon Solid Crayons were recently adopted in a large Western city, and an order placed for 36,000 boxes, because the Dixon Crayons were more durable and lasting, and because the colors were more clear and vivid than those of our competitors.

JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.



Doctor: Your temperature is pretty high this morning.

Teacher (Poor in health and salary): I hope it's no higher than I can afford to have it, doctor.

Punishment to Fit the Crime.

Judge—"It seems to me I've seen you before."

Prisoner—"You have, my lord. I used to give your daughter singing lessons."

"Twenty years."

His Best Recollection.

Instructor (at night school)—"What is trigonometry?"

New Boy—"It's the man that's been married three times."

Teacher—Tommy, when was Rome built?

Tommy—In the night.

Teacher—How came you to make such a mistake?

Tommy—You said yesterday Rome wasn't built in a day.



Professor: (Absent minded) I wonder if I placed the postage stamp on the inside of the letter, or swallowed it.

1 entire state 2 cities of over a million population, 6 cities of over 100,000 population and 14 cities of over 25,000 population have adopted the Southworth-Stone Arithmetics. Correspondence solicited.

BENJ. H. SANBORN & CO.,

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Judson and Bender's GRADED LITERATURE READERS.

Reed and Kellogg's LESSONS IN ENGLISH.

Hutchinson's PHYSIOLOGIES. Peter's MODERN CHEMISTRY

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WHY NOT?



USE THE BEST ON THE MARKET

Eagle Lead Pencils, Pen Holders, Steel Pens, Colored Pencils and Crayons, Compasses, Rubber Erasers, Etc. Send for samples and prices to the

EAGLE PENCIL CO., 377-379 Broadway, New York.

SCHOOL DESKS.

BY GEORGE M. GOULD, M. D.

There is probably not a pupil's desk in the world constructed upon correct physiologic principles. Many approximate, but fail in one or more important particulars. This is because, with all of the interest, study and invention which have been put into the work, the vertical and slanting handwriting there has been no understanding of the physiology of dextrality and dextrocularity, no comprehension of the optic problem which controls every posture and act.

The wrong to the child began with the beginnings of pedagogy. Prior to this handwriting was usually vertical, because without a powerfully dominating necessity no adults, much less the shrewd monks, would have bent themselves to the left and skewed their vellum, tablet or paper at the absurd angle now common with all writers. But when school teaching began it was, of course, in the houses or rooms of adults, and with their tables, benches, forms or stools. No one then dreamed of the peculiar child nature, not even the size of the child's body. Hence he sat upon a bench or seat too low, or what amounts to the same thing, at a table too high, for the height of his body, and at about the level of his sternum, neck or chin. When compelled to write he could do nothing at the desk except by placing his forearm, and even his elbow, upon the table.

Let an adult try to write sitting at a flat table the height of his neck and he will realize the child's predicament. With the arm upon the table there can be no writing accomplished unless the head is canted to the left, the body also, the paper placed askew, the feet or one foot thrust out to lessen the strain and wrenching of the spine, the pen held at a related ab-

normal angle and the hand gripping the holder in a distorted way. All this that the right eye may have an unimpeded view of the space in which the letters are being formed.

Think of the millions of morbidly raised right shoulders, the millions of necks and backs thus wrenched, with all the resultant diseases, during the last four hundred years! And still going on!

Most school desks are without lateral space to the right in which the paper may be placed opposite the right shoulder when the body and head are erect and squarely placed in front of the desk, and not, as now, in front of the face or chest. This lack of lateral space to the right has always been the unrealized need, and upon securing it the complete establishing of the vertical style of handwriting will depend, as also the rescue of the child from the bad postures and ill health caused by the diabolic head tilting, right shoulder elevating, eye ruining, body bending, pelvis cramping, spine twisting, scoliosis provoking postures which have come down to our times.

It will be useless to demand of the child that he shall write vertically, sit vertically, place the paper squarely and not askew and opposite the medium line of the body. No human being can write in that way unless the penholder is held with the tip directed toward the northeast, or upper right-hand corner of the paper, or even toward the north, all sure to produce writer's cramp or other evil results in a short time. In former times, as we know, the children were crowded together side by side, so that it was impossible to place the paper opposite the right hand side of the body and keep the body and head erect. The high desk united to compel the arm to be rested upon the desk, the right side to be turned toward it, the left side away from it, the head and body bent to the left in order to gain a clear view of the writing space of the pen point with the dominant eye. Even the flat desk or table co-operated to produce the resultant bad posture and the slanted chirography.

Monmouth, Ill. The school director's association of Monmouth County has recommended the following list of books for uniform use in all the schools of the county:

Young & Jackson's arithmetic, D. Appleton & Co.; Trowbridge's Illinois and the Nation, A. Flanagan & Co.; Text Books of Art Ed-



Devoe School Water Colors

are made by us, not for us. In dealing with Devoe you deal at first hands. Get our catalogues and prices in time for fall work.

The cut shows our new series No. 112: a three-color box containing four cakes—1 Carmine, 1 Ultramarine Blue, 2 Perfect Yellow; and one long handled No. 7 brush. Price 30 cents each. : : : Samples sent to teachers.

Devoe & Reynolds Co.

176 Randolph Street, Chicago
Fulton and William Streets, New York
1214 Grand Avenue, Kansas City

ucation, Prang Educational Co.; Dodge's geographies, Rand, McNally & Co.; Buehler & Hotchkiss' Modern English Lessons, Newson & Co.; Buehlers' Modern English Grammar, Newton's First Book in American History and New Century History of the United States, American Book Company; Overton's Physiology, Practical Writing System (slant), American Book Company; Cyr's readers (8 books), Ginn & Co.

Of this list the city of Monmouth has adopted the arithmetic, civics, geography, physiology and writing books. The drawing books and readers recommended are already in use.

The well known firm of William J. C. Dulaney Co., of Baltimore, Md., have arranged with the United States Crayon Co., to supply their Boro-Chalk to the Baltimore public schools during the coming year.

Le Roy, N. Y. The school board has decided to install a program clock manufactured by the Fred Frick Clock Co., Waynesboro, Pa. A fire alarm system is connected with the clock.

C. & N. W. RY.

"The best of everything" is the motto which the Chicago & North-Western Railway has most appropriately applied to its train service between Chicago and Milwaukee. In all the present schedule includes twenty-one trains each day between the two cities; eleven running north from Chicago and ten in the opposite direction from Milwaukee.

Of these the new North Shore Special is the most popular. Its equipment includes buffet smoking cars, electric lighted dining cars and standard pattern day coaches. All the comforts of home and club are provided for the traveler and special attention has been given to those features which appeal to ladies.

All possible information concerning rates, train service, etc., can be obtained from F. M. Snavely, Agent, Milwaukee, Wis.

SEEING EYES SAVES MONEY
BRAIN FINGERS TIME
MONEY BUYS THE BEST
The **Williams**
VISIBLE TYPE-WRITER

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LONDON 57 MILBURN VILLAGE
DERBY, CONN., U. S. A.



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ALABAMA.

Mobile—Plans for 2-story boys' school by Arch. Geo. B. Rogers. Oneonta—Will erect \$4,000 school.

ARKANSAS.

Pine Bluff—Plans to be prepared for erection of \$50,000 school. Tuckerman—\$6,000 school to be erected. Nashville—Have decided to erect school; cost \$10,000.

CALIFORNIA.

Palma—Plans received for erection of 2-story, 4-room school for the LaBallona school; cost \$7,000. Santa Barbara—To erect two schools on Haley street according to plans prepared by Archts. Train & Williams, Los Angeles. St. Agnes—Plans for parochial are being prepared. Los Angeles—Arch. Henry F. Starbuck is preparing plans for erection of school. Chino—Addition to be erected to high school.

COLORADO.

Russell Gulch—2-story, \$11,000 school to be erected.

CONNECTICUT.

Waterbury—Plans completed by Archt. Leonard Asheim for erection of school at Bucks Hill.

DELAWARE.

Dagsboro—\$4,000 school to be erected.

FLORIDA.

Jacksonville—Plans prepared by Archt. J. R. Bliven for additions to the Springfield, Riverside and South Jacksonville schools.

GEORGIA.

Canon—Plans prepared for erection of 2-story school; Archt. Chas. E. Choate, Augusta. Albany—Have selected site at corner of Monroe and Society streets for erection of high school. Atlanta—\$24,000 school to be erected on 10th street near Piedmont avenue.

IDAHO.

Boise—Plans prepared by Archts. Wayland & Fennell for erection of 12-room school; cost \$40,000.

ILLINOIS.

Quincy—Arch. F. R. Tubbesing has plans for repairing St. Boniface school. Seward—Plans for school for Dist. No. 48 prepared by Archt. Hugo Boehme, Joliet; cost \$3,000. Joy—2-story school to be erected according to plans of Archt. J. G. Beadle, Galesburg; cost \$6,000. Sugar Grove—Archts. Worst & Shepardson, Aurora, have plans for 2-story, \$7,000 school. Benson—4-room school planned by Archt. O. P. Moratz, Bloomington. Elmhurst—Addition to be erected to school according to plans of Archt. H. G. Fidelke, Oak Park; cost \$11,000. Averyville—Arch. C. W. Traeger, Peoria, has prepared plans for erection of school. Geneva—Plans preparing for addition to high school; Archt. H. E. Hewitt, Peoria. Freeport—Voted to erect school in the Third Ward and an annex to the high school. Urbana—Arch. J. W. Royer to prepare plans for erection of \$20,000 school for Franklin County. Wasco—Plans of Archts. Chandler & Park, Racine, Wis., adopted for \$8,000 school.

INDIANA.

Marion—Plans for 2-story school by Archt. B. L. French. Tangle—Arch. Layton Allen, Indianapolis, has prepared plans for erection of 2-story, \$10,000 school. Bern—Plans prepared for erection of school. Lafayette—West Side high school to be erected; cost \$22,000. Bath—2-story, 4-room school planned by Archt. W. S. Kaufman, Richmond; cost \$9,000.

IOWA.

Danbury—Plans preparing for \$7,000 addition to school; Archts. Elsentraut-Colby-Pottenger Co., Sioux City. Downey—Arch. J. G. Ralston, Waterloo, has prepared plans for erection of 4-room school. Morning Sun—Plans preparing for 2-story, \$20,000 school; Archt. J. G. Ralston, Waterloo. Stratford—Plans of Archts. Netcott & Donnan, Independence, accepted for erection of 2-story, \$10,000 school. Schaller—Bonds to the amount of \$15,000 to be issued for erection of school. Rockwell City—\$3,500 addition to be erected to school. Luverne—Rural school to be erected. Lyons—Site selected for construction of high school. Centerville—Plans of Archt. G. W. Salisbury adopted for erection of addition to Central ward school. Cascade—\$10,000 school to be erected. Franklin—School to be erected. Tingley—Will erect school in Dist. No. 3. Lake Charles—\$50,000 high school to be erected at Donaldsonville. Bagley—4-room

school to be erected. Du-buque—Three schools to be erected.

KANSAS.

Summerfield—2-story, 6-room school to be erected according to plans of Archts. J. H. Felt & Co., Kansas City, Mo.; cost, \$10,000.

KENTUCKY.

Uniontown—Archts. Harris & Shopbell, Evansville, Ind., made plans for erection of Catholic school.

LOUISIANA.

New Orleans—Plans prepared for erection of 2-story school to replace the Thomas Lafon school. Donaldsonville—\$50,000 school to be erected. Sunset—School will be erected; cost \$6,000.

MAINE.

Portland—Addition to be erected to high school.

MARYLAND.

Poolesville—Plans for erection of 2-story school by Archt. T. C. Groomes, Rockville. Bethesda—2-story high school to be erected according to plans of Archt. T. C. Groomes, Rockville. St. Michaels—Archts. Owens & Sisco, Baltimore, have plans for erection of 2-story, \$10,000 school. Baltimore—2-story, \$10,000 addition to McDonough school planned by Archts. Baldwin & Pennington.

MASSACHUSETTS.

Quincy—Plans drawn by Archt. R. H. Gould for \$65,000 addition to high school. Great Barrington—Archts. Cooper & Bailey, Boston, have plans for \$25,000 school. Needham—Plans for 2-story school by Archt. Lemont D. Litchfield. Fall River—3-story, 12-room school planned by Archts. Maginnis, Walsh & Sullivan, Boston, for St. Mary parish. Whitman—Addition to be erected to Reed school; Archt. C. A. Brigham, Boston. Waltham—Manual training school to be erected.

MICHIGAN.

Pontiac—Archts. Fisher Bros. have plans for erection of a 2-story, 10-room school for the Union School District. Grand Rapids—To issue \$32,000 in bonds for erection of school. Ida—To prepare plans for erection of \$16,000 school. Archts. Bradley & Allen, Ft. Wayne, Ind. Hamtramck—Arch. Van Leyen & Schilling, Detroit, are preparing plans for erection of 2-story addition to the Holbrook school. Crystal Falls—Plans for 3-story, \$37,000 high school have been accepted. Detroit—Plans have been prepared by Archts. Malcomson & Higginbotham for the J. M. B. Still school; cost \$50,000. Laurium—8-room school to be erected. Saginaw, W. S.—Arch. Roy J. Merriam has plans for 8-room, \$25,000 school. Ironwood—Plans completed for school by Archt. John D. Chubb, Chicago, Ill. Linden—Addition to high school planned.

MINNESOTA.

Luverne—Plans prepared for erection of 2-story school by Archt. W. E. E. Greene. Clara City—2-story addition to be erected to school; Archt. F. D. Orr, Minneapolis. Cloquet—Arch. F. W. Kinney, Minneapolis, has plans for erection of school. South St. Paul—Voted to issue \$50,000 in bonds for erection of high school. Okabena—2-story, 4-room school to be erected. Fulton—To erect 2-story school. Redlake Falls—School to be rebuilt; cost \$10,000. Duluth—J. L. Washburn school at Hunter's Park is nearing completion. Fairfax—\$30,000 school to be erected. Long Prairie—To erect parochial school. St. Paul—2-story parochial school to be erected on Mississippi street. New London—To issue \$8,000 in bonds for erection of school. Sparta—Addition to school planned by Archt. W. T. Bray, Duluth. Parkers Prairie—\$16,000 in bonds to be is-

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MISSISSIPPI.

Cleveland—Plans by Archts. Spencer & Temple, Champaign, Ill., for erection of \$10,000 school.

MISSOURI.

Fulton—Arch. and Supt. M. F. Bell has plans for an addition to the William Woods College; cost \$8,000. Bowling Green—Plans prepared for 2-story school by Archt. J. D. Dunham, St. Louis.

NEBRASKA.

Holdrege—Archts. Elsentraut-Colby-Pottenger Co., Sioux City, have plans for 2-story high school; cost \$18,000. Brock—Plans for 2-story, 4-room school by Archt. M. N. Bair, Falls City; cost \$7,000. Gibbon—Planning to erect school. Edgar—To prepare plans for erection of school to cost \$20,000.

NEW JERSEY.

Millville—Addition to high school planned by Archts. Davis & Davis, Philadelphia, Pa. Hoboken—Have adopted plans of Archt. Eugene Ciccarelli for erection of No. 9 school. Salem—Plans ready for erection of 2-story school; Archts. Seymour & Paul A. Davis, Philadelphia, Pa. Whippany—Three schools to be erected in Hanover school district; cost \$40,000. Orange—Bonds to be issued for repairs to the Gaston street school. East Orange—Site selected on Park avenue for erection of school. Moorestown—Arch. H. N. Moffett, Camden, to prepare plans for erection of 8-room, \$30,000 school. Pensauken—3-story, \$12,000 school to be erected according to plans of Archt. Arnold H. Moses, Philadelphia, Pa.

NEW YORK.

Binghamton—Voted to issue \$45,000 in bonds for erection of school. Farmingdale—School to be erected. Glen Cove—Voted to erect \$37,000 school. New York—Plans for school to be erected on 80th street, between 2d and 3d avenues by Archt. C. B. J. Snyder; cost \$25,000. Dunkirk—To issue bonds to the amount of

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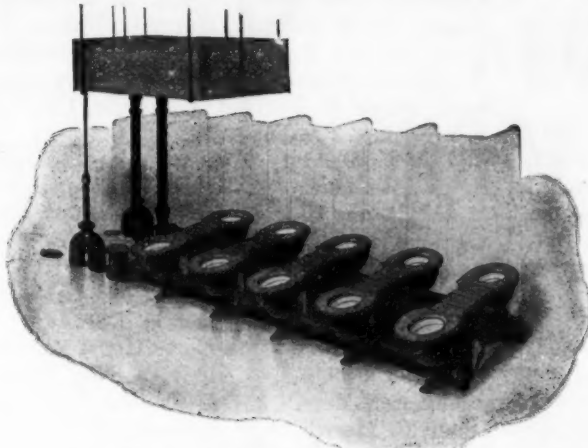
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\$18,000 for improvements to school No. 1. Albany—Addition to be erected to State Normal school.

NORTH DAKOTA.

Lamoure—To issue \$11,500 in bonds for erection of school. Minot—Plans preparing for 2-story, 10-room school by Archt. Jos. Bell DeRemer, Grand Forks. Pleasant Lake—Archt. J. W. Ross, Grand Forks, is preparing plans for erection of \$3,500 school. Spiritwood Lake—School to be erected on Section 5. Alice—\$2,500 school to be erected. Carpio—Accepted plans for 4-room, \$4,000 school; Archt. G. W. Ashby, Riverside, Ill.

OHIO.

Chauncey—Plans preparing for addition to school by Archt. F. B. Modie, Athens. Mechanicsburg—Archt. R. C. Gotwald, Springfield, has plans prepared for erection of 2-story, 5-room school; cost \$10,000. Lima—Plans prepared for erection of school by Archts. Leech & Leech. Franklin Square—Plans prepared for erection of 2-story, 3-room school; cost \$6,000. Kalida—Archts. Leech & Leech, Lima, have prepared plans for erection of 8-room school. Cleveland—10-room annex to be erected to Marion school; Archt. F. S. Barnum. Bristolville—\$6,000 high school to be erected. Cleveland—School to be erected for the parish of Our Lady of Lourdes; cost \$55,000. Chester—11-room school soon will be completed. Youngstown—Accepted plans of Archt. E. R. Thompson for erection of school on St. Louis avenue. Columbus—Site selected for erection of \$6,000 school.

Pleasant Grove—School to be erected. Toledo—6-room annex to be erected to the Raymer school. Lucasville—4-room school to be erected according to plans of Archts. A. B. Halger & Sons. Youngstown—John Washington lot selected as site for erection of school. Cleveland—A third-story addition will be erected to the Kinsman school. Dayton—\$18,000 parochial school to be erected on Brown and L. streets, South Park.

OREGON.

Portland—Site for the Irvington district school has been selected.

PENNSYLVANIA.

Philadelphia—Parochial school to be erected at Lehigh ave. and Belgrade st.; Archt. R. W. Boyle. Haverford—Archt. Wm. S. Vaux, Philadelphia, planned 2-story addition to Haverford college. Fountain Hill—Plans prepared by Archt. A. W. Leh, South Bethlehem, for erection of school. Spring City—2-story school to be erected according to plans of Archts. Seymour and Paul A. Davis, Philadelphia. Wilmerding—Archt. A. K. Miller, Pittsburgh, prepared plans for addition to No. 1 school. Pittston—Plans for erection of \$10,000 school by Archt. C. W. Hodgdon. McKeesport—A. J. Herron, Archt., has completed plans for erection of \$50,000 school. Punxsutawney—Plans for \$30,000 school completed by Archts. Robinson & Winkler, Pittsburgh. West View—\$10,000 school to be erected. Wilkesburg—Site selected for erection of \$50,000 school. Allegheny—Plans completed for erection of \$160,000 manual training school in Irwin avenue. Shiremanstown—\$4,000 school to be erected according to plans of Archt. T. H. Hamilton, Harrisburg. Stowe—School to be erected; cost \$12,000. Downingtown—\$30,000 school is under construction. Swissvale—Work has started on the construction of \$50,000 school to be erected at the corner of Braddock ave. and Vernon st.; F. G. Scheibler, Jr., Archt., Wilkesburg. Erie—2-story, \$5,000 school to be erected for Fairview twp. according to plans of Archts. J. W. Yard & Son.

SOUTH CAROLINA.

Spartanburg—Archt. W. R. W. Howe is preparing plans for erection of 3-story, \$20,000 school. Kershaw—Bonds to the amount of \$12,000 will be issued for erection of school.

SOUTH DAKOTA.

Hecla—To issue \$5,000 in bonds for erection of school. Sioux Falls—\$75,000 in bonds will be issued for the construction of high school.

TENNESSEE.

Paris—Will erect a free high school. Burns—School to be erected.

TEXAS.

Grand Prairie—Archt. M. L. Waller, Ft. Worth, is preparing plans for erection of 2-story school. Tlona—2-story, \$10,000 school to be erected according to plans of Archt. John Tulloch, Sherman. Sherman—3-story extension to school planned by Archt. John Tulloch; cost \$6,000. Dallas—A German Catholic school is to be erected at the corner of Swiss avenue. Denton—Accepted plans for Fourth Ward school; cost \$5,000. Cookville—Archt. Sidney Stewart, Texarkana, Ark.-Tex., has plans for 2-story school; cost \$4,000. Dallas—Catholic college to cost \$200,000 will be erected.

VIRGINIA.

Barton Heights—To erect school; Archt. Albert Hunt, Richmond.

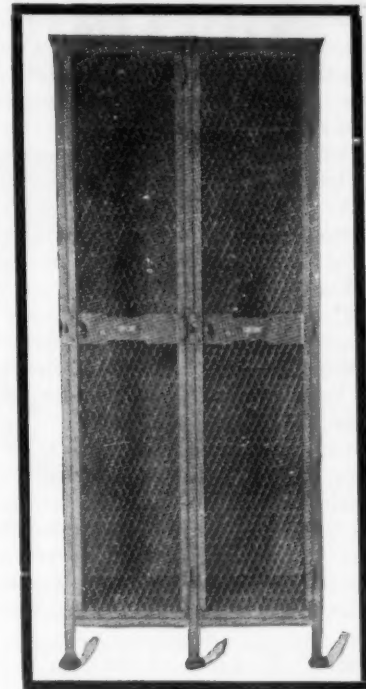
WASHINGTON.

Spokane—School to be erected in Gandy school district No. 159. South Tacoma—2-story, 16-room addition to be erected to the Edison school; Archt. F. H. Heath, Tacoma.

WEST VIRGINIA.

Gassaway—Plans by Archts. Harding & Upman, Washington, D. C., for erection of 2-story, 4-room school. Fairmont—Archt. C. G. Badgley has completed plans for erection of \$70,000 high school. Wilsonburg—Plans prepared for 2-story, \$4,000 school; Archts. Holmboe & Lafferty, Clarksburg.

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WISCONSIN.

Janesville—Plans preparing by Archt. Lorrin L. Hilton for erection of 3-story addition to Lincoln school; cost \$3,000. Turtle Lake—Archts. Thorl, Alban & Fisher, St. Paul, Minn., have completed plans for erection of \$6,000 school. Rice Lake—Have prepared plans for erection of 12-room school; cost \$40,000. St. Croix Falls—Archt. J. H. Towers has prepared plans for erection of 2-story teachers' training school; cost \$5,000. Granton—\$3,000 school to be erected according to plans of Archts. Parkinson & Dockendorff, La Crosse. Kenosha—Plans for 3-story addition to the high school prepared by Archt. T. Gaastra; cost \$25,000. New Holstein—Archt. H. A. Foeller, Green Bay, has prepared plans for erection of 3-story school. Stoughton—Voted to erect \$40,000 high school. Waunakee—High school to be erected. Monroe—High school to be erected; cost \$40,000. Caledonia—2-story school to be erected at Ives. Hustisford—\$7,000 school to be erected. Poynette—Voted to erect \$25,000 school.

BOOKMEN AT ASBURY PARK.

Henry T. Dawson's new bear story did not develop at Asbury Park. He has few thrilling touches to put upon it before it is given out for publication.

Gould of Maynard, Merrill & Co.—we mean Mr. W. H. Gould—is seldom seen at N. E. A. meetings unless held in the east. Since we last saw Gould he has grown stouter, handsomer and grayer. In spirit he is as youthful as ever, in action as alert and in geniality as strong as he has been for a quarter of a century.

At Asbury Park we looked for Harry M. Trask, but Harry was not on deck. He looked after Silver, Burdett & Co.'s interests elsewhere.

Frank D. Beattys has just recovered from a spell of sickness. He has thinned a little, but is now really down to a fine fighting weight.

Major A. W. Clancy was disappointed when he learned that G. W. Holden, of book cover fame, had gone to Alaska. The Major and Holden met once a year to swap stories. They enjoy these immensely, although some people are wicked enough to say that they tell the same stories over and over, year after year. The Major denies this and says that his own stock of stories are fresh grown in the west, while Holden gathers in the annual Yankee crop.

Mr. C. H. Ames, of the firm of D. C. Heath & Co., was honored by the Massachusetts delegation to a place on the nominating committee. He enjoys the fullest confidence of the educators of his state as being a high-minded, unselfish and progressive member in all that makes for a stronger and more useful N. E. A.

Eleven years ago, when the N. E. A. meeting was held at Asbury Park, the writer met the stalwart H. W. Louis, who represents the American Book Co. in Mississippi. Both the writer and Louis were surf bathing at the time. Louis did not make his appearance at the recent Asbury Park meeting and we much regret this fact.

The following publishers and representatives attended the Asbury Park N. E. A. meeting:

D. C. Heath & Co.: C. H. Ames, Daniel C. Heath, J. C. Simpson, Herbert C. Foss, Boston; W. E. Pulsifer, W. D. Nickerson, A. D. Perkins, W. I. McInnes, P. H. Ray, New York; E. R. Smith, L. D. Vose, Mr. Short, Chicago; B. E. Richardson, Cleveland; B. K. Benson, Austin, Texas.

Houghton, Mifflin & Co.: H. H. Bailey, R. W. Carey, New York.

American Book Co.: J. A. Greene, Geo. B.

Chandler, New York; Frank A. Fitzpatrick, Boston; L. M. Dillman, Harry G. Wilson, Chicago; Samuel B. Todd, Milwaukee; Major A. W. Clancy, Minneapolis; C. E. Brown, Cleveland; James E. Dorland, Louisville, Ky.; Geo. L. Holliday, Pittsburg.

G. & C. Merriam Company: O. M. Baker, K. N. Washburn, A. G. Baker, Springfield, Mass.; Major A. J. Cheney, Chicago.

Prang Educational Company: W. E. Cochran, H. M. Hebden, New York.

Silver, Burdett & Co.: Robert Foresman, New York; Haviland Stevenson, Detroit.

University Publishing Co.: Henry T. Dawson, G. C. Field, A. T. Hoffman, New York.

Maynard, Merrill & Co.: Charles E. Merrill, Edwin C. Merrill, New York; J. D. Williams, Chicago; H. C. Howard, E. A. Wicshell, F. D. Woodruff, H. M. Collins, W. F. Smith, W. H. Gould, Thos. R. Burns, Walter Maynard, New York.

D. Appleton & Co.: W. W. Appleton, Nathan D. Cram, New York City.

Scott, Foresman & Co.: E. H. Scott, Chicago.

Ginn & Company: Geo. A. Plimpton, O. P. Conant, F. C. Hodgdon, T. B. Smith, Joseph Rustland, R. S. Thomas, S. L. Walker, M. R. Jewett, Jr., New York; J. S. Adams, Albany; Ross N. Hood, John F. L. Morris, H. C. Coffin, Philadelphia; R. L. Fernald, Rochester, N. Y.; R. L. Neal, Buffalo; E. F. Southworth, Syracuse, N. Y.; W. H. H. Bryant, Boston; W. R. Andress, Grand Rapids, Mich.; Norman C. Miller, Atlanta, Ga.; D. H. Smalley, Chicago; D. S. Sweeney, Pittsburg.

C. H. Congdon & Co.: C. H. Congdon, H. E. Hayes, New York.

W. H. Wheeler & Co.: W. H. Wheeler, Chicago.

The Macmillan Company: W. H. Ives, A. C. Baker, Frank Wise, Jesse A. Ellsworth, New York; George C. Elsler, Philadelphia; W. T. Tenney, Boston; W. C. Warfield, New York.

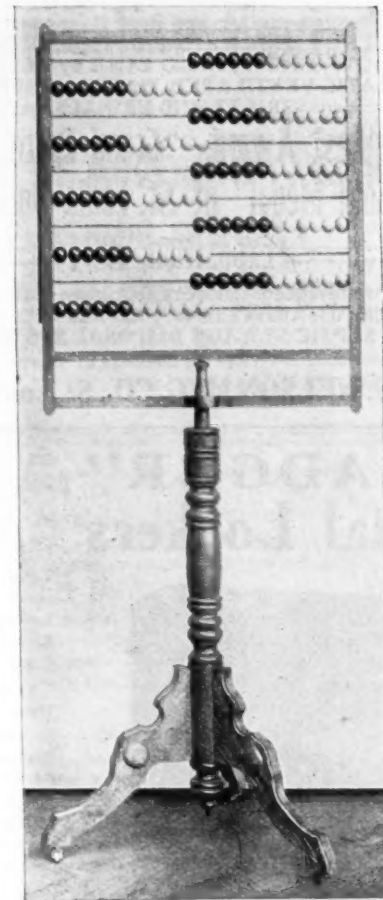
Sadler, Rowe Company: Dr. H. M. Rowe, Baltimore, Md.

Christopher-Sower Co.: Frank D. Curtis, Philadelphia.

C. W. Turner who represents Silver, Burdett & Co., in Nebraska, and surrounding states, took his family in July to the coast of Maine for the summer.

Haviland Stevenson of Silver, Burdett & Co., who was dangerously ill last spring has fully recovered. He attended the Asbury Park meeting and his many friends were delighted to see him well and strong again.

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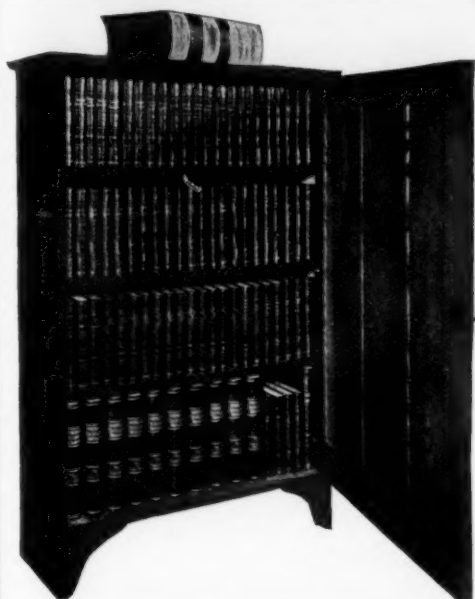


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WILLARD N. PARKER,
Editor
Wisconsin Journal of Education.

THE PARKER EDUCATIONAL CO.
MADISON, WIS.

George B. Chandler who quit the Ginn agency in Minnesota to go into life insurance, has after a year's trial re-entered the book business. He represents the American Book Co. in the East.

Henry Hot Hilton, president of the Chicago Dartmouth Alumni association was recently elected a trustee of Dartmouth college. Mr. Hilton, who is a member of the firm of Ginn & Company and has charge of the Chicago office was graduated from Dartmouth in 1890. In 1904 he was one of a committee of three appointed by President Tucker to raise the \$250,000 necessary to rebuild Dartmouth hall.

Mr. A. E. Shumate has, during the past three months, represented Ginn & Company in the state of Washington. The assignment is temporary and Mr. Shumate will return to the California field as soon as the present campaign is over.

F. M. Burke, formerly superintendent of schools at Walla Walla, Wash., has accepted a position with the American Book Company. Wm. S. Mack, western manager of the Prang Educational Co., Chicago, Ill., was prevented from attending the Asbury Park meeting through illness. He has, however, recovered sufficiently to be at his desk again.

Mr. Thomas Charles of the Thomas Charles Company attended the Asbury Park meeting. The many friends of the veteran were pleased to see him.

Toledo, Ohio. It is reported that the school board will shortly adopt new arithmetics and grammars and relegate the vertical for a slant writing system.

Kentucky. The text-book law went into effect in all counties of the state July 1st and with the beginning of the September term the

new books will be used in all schools. The law became operative in September, 1904, but owing to the fact that most counties had contracts expiring July 1st, 1905, the new books were used in but very few schools during the last school year.

A VALUABLE BLACKBOARD INVENTION.

A year ago, attention was called in this JOURNAL to a special blackboard exhibit at the St. Louis World's Fair by Mr. Joseph Reek, of Neenah, Wis.

The exhibit attracted attention, not being connected with any school supply exhibit and because the blackboard possessed special merit. It proved creditable to the inventor, and was highly complimented by educational exhibitors, architects, schoolboards and all people interested in school-room improvements. Further appreciation was shown by the judges awarding Mr. Reek the medal.

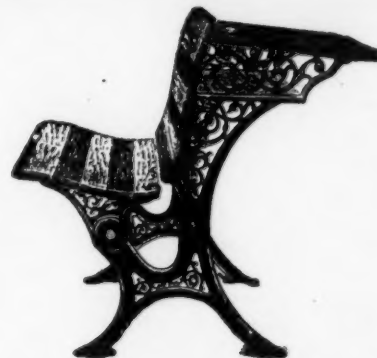
It now develops that Mr. Reek, who has devoted a life-time to producing a high grade of artificial blackboarding, employs ingredients which are known to himself only. The secret has become a valuable one.

As a result of the St. Louis exhibit offers were made to Mr. Reek by foreign educators and manufacturers, especially from England and Sweden, to induce him to go to those countries and introduce his inventions there.

However, Mr. Reek desires to dispose of his business in the United States and Canada, before going abroad. He stands ready to sell out his invention, and teach the art of manufacturing the material and educate men to construct the blackboard.

He suggests the organization of a stock company for the manufacture and sale of the blackboarding. He sincerely believes that under

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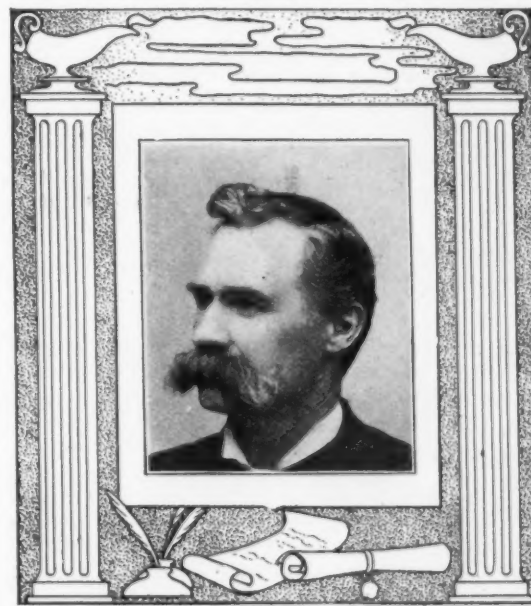
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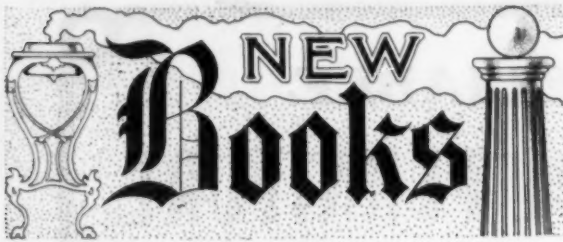
proper management great success may be achieved, and that the enterprise will yield several fortunes for those who will embark in it.

Mr. Joseph Reek may be reached by correspondence at Neenah, Wis., where he makes his home.

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The Western United States.

First Series. By Charles A. McMurry, Ph. D. 288 pages. Price, 50 cents. The Macmillan Company, New York. Geo. Brumder Book Department, Milwaukee.

These twenty-five type studies from the geography of the United States are a continuation of "Excursions and Lessons in Home Geography." The study of the home and the neighborhood is now extended to the important productions and the great organized industries of our own country. The cod-fisheries on the New England Coast, the salmon fisheries on the Columbia, cattle raising on the plains of the interior, coal-mining, cotton growing, sugar making, lumbering are each handled in an interesting and instructive manner. As an industry cannot become really great without a distributing agency, it is only logical that there are chapters on the commerce of the Great Lakes, on the Hudson River, the Hoosac Tunnel, the Ohio and Mississippi Rivers, and other waterways. A study of the rapid growth of Minneapolis, a natural center for lumbering, for the grain of Minnesota and the Dakotas, for milling and manufacturing, is given as a type of the causal influences determining the location and growth of cities. Of the one hundred illustrations, fully one-fourth are valuable maps or diagrams, showing reliefs, annual rainfall, distribution of important productions, routes by which these productions may be brought to distributing centers. In some chapters pertinent questions are asked, while in others they are suggested. Here is a group: "Which has the larger area, the Upper Mississippi or the Ohio? Which has the larger or more important tributary streams? Which has the greater forest areas? How do the chief cities of the Ohio Valley compare in size with those of the Upper Mississippi? Why the difference in size? Which of these valleys has greater scenic attractions and more places of historical interest?" This volume is "the execution in its details of the second step laid out in the Special Method of Geography," also published by the Macmillan Company, though it could be profitably used in connection with other text-books on these subjects. It offers suggestive models for the topical study of geography and forms an excellent book of reference on special subjects.

Three Years With the Poets.

Compiled by Bertha Hazard, Principal of Miss Hazard's School, Boston, Mass. 247 pages. Price, 50 cents. Houghton, Mifflin & Company, Boston, New York, Chicago.

A marked characteristic of this compilation is the beauty and fitness of the selections. No won-

der; "since no poem has been allowed its place in the series without having been first 'tried on,' and found pleasant and profitable for the year for which it has been chosen." Hence the book is a result of meeting conditions not of spinning theories. Better still, the editor hopes it will be made a "study-book" for children during their first years in school as the time of downright study is often put off too long. The plan provides for work. A poem is to be learned for each month in the school year. This poem bears such a relation to the character of the month or to some event connected with the month that it is thought all pupils can do this, the minimum. These are called required poems. Then come groups of elective poems, this time three for each month of the school year. This material is provided for those having greater love and great capacity for this form of study. Finally, there are supplementary poems and rhymes; the shorter to serve as substitutes the longer ones to be read. The arrangement bears the "hall-mark" of experience.

Over seventy poets English, Scotch, American, have been called upon for contributions. The list begins with two poets of the sixteenth century, William Shakespeare and Robert Herrick, who sang "of books, of blossoms, birds, and bowers," and ends with the writers of the latter part of the nineteenth century. A wide range in time and in personality.

By three years' work in this book, under judicious and sympathetic guidance, children should make a beginning in acquiring habits of close study, in gaining a perception of fine forms of expression, and in cultivating a taste for the best in literature.

THE NEW EAST BOSTON HIGH SCHOOL.

On page 12 we present a half tone engraving of East Boston's new high school. The building was opened for school purposes last April and is conceded to be the finest in the state of Massachusetts. The architect, John Lyman Faxon of Boston, contends that the building is one of the best in the country. Not alone is it most suitable for school purposes, but in a day's time it might easily be turned into a city hall or even a private residence.

The style of architecture is that of the fifteenth century florentine renaissance, supplemented with the roman style. The building has a frontage of 188 feet and a depth of 116 feet. The construction is exceptionally strong and fire proof. It embodies a feature that marked the erection of the Boston public library, in that all the walls, both interior and exterior, are built of masonry, the only steel framework used being for sustaining the different floors. The method of construction followed is monolithic throughout the corridors and staircases. The vestibules and the large circular exhibition hall are vaulted on the Gustavo plan, in which light slabs of strong material resembling terra cotta are overlapped, following the vaulted ceiling lines and being capable of supporting enormous pressure.

The exterior is granite at the basement. The first, second and third stories are of light gray brick with limestone trimmings. The inside wood trimming has been reduced to a minimum and treated so as to be decorative. The wood used is sycamore stained to resemble mahogany. All wainscoting throughout is of marble or of figured Portland cement work polished. All floors, except in the class rooms and stair halls are of asphalt and terazzo.

As the visitor enters the vestibule his attention will at once be drawn to its beauty and substantial appearance. The ceiling and corridors adjoining are in the ground vault style. The dados are of light green and white marble.

The stairways are wainscoted with similar marble. On the second and third floors the dados are mosaic.

On the first story on each side of the vestibule are two large rooms, one of which will be used by the principal, the other for receptions. The walls are sheathed with Knoxville pink marble. On this floor there are six classrooms, two of which are known as double classrooms. There are also two wardrobes, one for boys, the other for girls.

Altogether in the building there are 67 rooms, divided into classrooms, recitation rooms, laboratories, lecture room, drawing room, exhibition hall, drill hall and four teachers' studies. On the first and second floors are double study rooms, which will accommodate 84 pupils. Half-way between the first and second floors is the large exhibition hall, with balcony.

On the second floor is a library, 18½x49 feet. On each side of the library are laboratories for the boys and girls. There are three classrooms, a teachers' study and two double classrooms, the same as on the first floor.

The third floor will be given over almost entirely to laboratories, the physical and chemical laboratories and apparatus rooms all being located there. All fittings for the laboratories have been constructed from special designs of the architect.

The basement, which has large doorways on side streets, has a large drill hall. It also contains a gymnasium, lunch room, bicycle room, janitor's room and spray bathrooms, one for boys and one for girls. These bathrooms are provided with lockers, and also contain drying rooms.

A noticeable thing in connection with this building is the manner in which light has been provided for all the rooms. The ventilation facilities are of the very best. Gas and electric light has been furnished. The building covers about 21,000 square feet of ground and has about 1,162,000 cubic feet and costs \$270,040.92.



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